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1920/21

Canisius College

Buffalo, N. Y.

Annual Catalogue
Fifty-first Year
1920-1921

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FIFTY-FIRST ANNUAL CATALOGUE

of

CANISIUS COLLEGE

BUFFALO, NEW YORK

1920-1921

Canisius College

This institution, conducted by the Fathers of the Society of Jesus, was opened in September, 1870, and incorporated on January 11th, 1883, by the Regents of the University of the State of New York, under the corporate title of

"THE CANISIUS COLLEGE OF BUFFALO, N. Y.,"

and empowered to confer degrees and academic honors. On October 25th, 1906, the charter of the College was amended so as to include the High School or Academic department.

BOARD OF TRUSTEES

REV. MICHAEL J. AHERN, S. J., President.
REV. JUNIUS A. McGEHEE, S. J., Treasurer.
REV. FREDERICK J. BUNSE, S. J., Secretary.
REV. MICHAEL F. CLARK, S. J.
REV. ROBERT H. JOHNSON, S. J.
REV. JAMES F. LEARY, S. J.
REV. HERMAN J. MAECKEL, S. J.
REV. OWEN S. MURPHY, S. J.
REV. MILES O'MAILIA, S. J.
REV. FRANCIS X. SINDELE, S. J.

Faculty

REV. MICHAEL J. AHERN, S. J.....
.....*President. Professor of Astronomy and Geology*

REV. MILES J. O'MAILIA, S. J.....
.....*Dean of the College and Professor of English and Philosophy*

REV. JAMES F. LEARY, S. J.....*Treasurer*

REV. OWEN S. MURPHY, S. J.....
.....*Prefect of Discipline and Lecturer in Evidences*

REV. HERMAN J. MAECKEL, S. J.....*Philosophy*

REV. FRANCIS X. SINDELE, S. J.....
.....*English and Classics in Sophomore Class*

REV. PETER J. SCHWEITZER, S. J...*History and History of Philosophy*

REV. JOHN G. HACKER, S. J..*English, Latin and Greek, Freshman Class*

REV. DAVID C. CRONIN, S. J.....
....*English, Latin and Greek, Freshman Class. Journalistic English*

REV. LOUIS OTT, S. J.....*Mathematics*

REV. EDWARD MORAN, S. J.....*English*

JOSEPH J. SULLIVAN, S. J.....*Chemistry*

EMERAN J. KOLKMEYER, S. J.....*Physics*

JOSEPH F. BUSAM, S. J.....*Biology*

MANUEL RIVERA.....*Spanish*

LOUIS A. PINGITORE.....*French*

EMIL A. FREY.....*French, German*

EDWARD J. RAHILL, Ch. E.....*Mechanical Drawing*

WILLIAM DAVENPORT.....*Mechanical Drawing*

CARL STURMER, M. S.....*Instructor in Chemistry*

LEWIS F. McLEAN, M. S.....*Instructor in Chemistry*

NELSON MERCER, B. A.....*Assistant in Chemistry*

LEO A. SWEENEY, B. S.....*Assistant in Chemistry*

NICHOLAS J. SCHMITT, B. A.....*Assistant in Physics*

AUSTIN McTIGUE, B. S.....*Assistant in Physics*

ALEXANDER KRECISZEWSKI, B. A.....*Assistant in Physics*

JOHN NEUBERT.....*Assistant in Physics*

DANIEL T. BAGEN.....*Registrar*

Faculty

SUMMER COURSES, 1920

REV. ARTHUR HOHMAN, S. J. ..... *Trigonometry*
REV. PHILIP H. BURKETT, S. J. ..... *Ethics*
REV. FREDERICK J. BUNSE, S. J. ..... *Latin and Greek*
REV. HENRY B. KELLY, S. J. ..... *Latin*
JOHN F. G. COSTELLO, B. A. ..... *Physics*
JAMES H. CROWDLE, M. S. ..... *Chemistry*
JOHN A. CURTIN, M. A. ..... *Biology*
ISIDRO DARNA, B. S. ..... *Spanish*
HENRY S. DAWSON, B. A. ..... *Latin*
JOSEPH A. McHUGH, B. A. ..... *English*
WILLIAM F. MACK, M. A. ..... *History and Civics*
JOSEPH A. MULDOON, M. S. ..... *Chemistry*
DAVID B. LOCKNER, B. A. ..... *Mathematics*
HENRY A. LAPPIN, B. A., LITT. D. ..... *English*
JOSEPH E. KELLY, M. A. ..... *English*
MISS MARY B. C. BYRNE ..... *Education*
ELIZABETH F. FISHER, B. S. ..... *Geography*
CHARLES G. COSTELLO, M. A. ..... *Mathematics*
EUGENE S. FEELEY, M. A. ..... *Latin*
EUGENE L. KLOCKE, B. S., M. A. ..... *Physics*

(Besides 12 members of the College Staff)

ADDITIONAL INSTRUCTORS

COLLEGE COURSES FOR TEACHERS

ROBERT T. BAPST, PH. D. ..... *Latin*
RICHARD CAVAGNARO, B. S. ..... *Mathematics*
VICTOR J. KLESS, M. A. ..... *Mathematics*
GEORGE W. WANAMAKER, M. A., LL. B. ..... *Business Law*

(Besides 16 members of the College Staff)

Calendar

1920

Conditions Examinations .....Thursday-Saturday, September 16-18
Registration .....Thursday-Saturday, September 16-18
Entrance Examinations .....Friday-Saturday, September 17-18
Schola Brevis. Reading of class lists.....Monday, September 20
Mass of the Holy Ghost, 9 A. M.....Saturday, September 25
College Courses for Teachers begin.....Monday, October 4
Annual Retreat .....Wednesday-Friday, October 20-22
Retreat Holiday .....Saturday, October 23
All Saints' Day, Holy Day.....Monday, November 1
Election Day .....Tuesday, November 2
Marks for November close.....Wednesday, November 10
Thanksgiving Day .....Thursday, November 25
Immaculate Conception, Holy Day.....Wednesday, December 8
Marks for December close.....Wednesday, December 22
Christmas recess begins, 9 A. M.....Thursday, December 23

1921

Classes resumed. Repetitions begin.....Monday, January 3
Preliminary contest in oratory announced.....Monday, January 3
Subjects for prize essays announced.....Monday, January 3
Mid-year holiday.....Monday, January 31
Second Term begins.....Tuesday, February 1
Commemoration of Washington's Birthday.....Tuesday, February 22
Public Oratorical contest.....Thursday, February 24
Marks for February close.....Saturday, March 12
Debate for Canisius Alumni Sodality medal.....Tuesday, March 15
Easter recess begins at 9 A. M.....Monday, March 21
Classes resumed .....Monday, April 4
Ascension. Holy Day.....Thursday, May 5
Marks for March-April close.....Saturday, May 7
Public Disputation in Philosophy.....Wednesday, May 11
Reception. League of the Sacred Heart.....Friday, June 3
College Courses for Teachers close.....Saturday, June 4
Retreat to Seniors.....Wednesday-Friday, June 8-10
Baccalaureate Sermon in St. Michael's Church.....Sunday, June 12
Annual Commencement.....Monday, June 13
Summer Session opens.....Tuesday, July 5
Summer Session closes.....Friday, August 12
Entrance examinations.....Tuesday-Friday, September 13-16
Instruction begins.....Monday, September 19

General Statement

HISTORICAL

Canisius College was opened in September, 1870, by the Fathers of the Society of Jesus.

On April 27, 1872, the feast of Bl. Peter Canisius, patron of the new institution, the cornerstone of a larger brick building on Washington Street was laid by the Rt. Rev. Bishop Stephen V. Ryan, D. D., and in November of the same year the central portion of it was completed; the north and south wings, with the Chapel and Hall and the Infirmary, were added in later years.

In the year 1908 an important change occurred, in the discontinuance of the boarding department.

In 1911 began the erection of the present college building, on the former Villa ground, at the corner of Main and Jefferson Streets. This structure was dedicated, with appropriate ceremonies, by the Rt. Rev. Charles H. Colton, Bishop of Buffalo, on December 30th, 1912. On January 6th, 1913, the four College classes were transferred to the new building, leaving the students of the four High School years at the former location on Washington Street. This local separation of the College from the High School has resulted in marked benefit to both.

As yet only the central portion of the main building has been erected. But its noble proportions and stately dome make it already one of the chief ornaments of the city. The structure is of re-enforced concrete, absolutely fireproof, and provided with exceptionally perfect scholastic and scientific equipment. The two wings of the main building, together with a separate science building and a gymnasium will be erected in the near future with the funds secured through the successful campaign for $1,000,000 which was completed in October, 1920.

The educational system followed is substantially that of all the Colleges conducted by the Society of Jesus in every part of the world. Based on the famous Ratio Studiorum Societatis Jesu, a system outlined by the most prominent Jesuit educators in 1599, revised in 1832. and attended up to the present day with unfailing success, it secures on the one hand that stability so essential to educational thoroughness, while on the other it is elastic and makes liberal allowance for the varying circumstances of time and country.

While retaining, as far as possible, all that is valuable in the older learning, it adopts and incorporates the results of modern progress.

But its methods of teaching, being truly psychological, based upon the very nature of man's mental processes and perfected by centuries of experience, are applicable to all times and to every place. It is a noteworthy fact that many of the recently devised methods of teaching are in reality mere revivals of devices recommended long ago in the Ratio Studiorum.

Those who are desirous of making either a scientific or historical study of this system will find abundant sources of information in the following works: Monumenta Germaniae Pedagogica, Vols. II, V, IX, XVI; Un Collège Jésuites, per C. De Rochemonteix, S. J. For a shorter, yet thorough commentary on the Ratio Studiorum, the reader is referred to Jesuit Education, by Rev. Robert Swickerath, S. J.

BUILDINGS AND GROUNDS

The new building in which Canisius College has been housed since January, 1913, is extremely perfect in respect to light, ventilation and hygiene. Being of re-enforced concrete construction, with trimmings of Vermont and Tennessee marble, it is considered entirely fireproof.

The building still lacks the two capacious wings necessary for its completion. While the class room accommodations and the laboratories are sufficient, though barely so, for present requirements, great need is felt of an assembly hall for academic gatherings, lectures and dramatic entertainments, of a chapel, a library and a gymnasium. The rooms in which these most important departments are temporarily established are entirely inadequate.

Recreation rooms, with pool tables, piano, etc., afford opportunities for indoor amusement.

The athletic field adjoining the College comprises some eight acres and is well graded.

Lawn tennis courts have been laid out, and a running track, to be considerably more than a quarter of a mile in length, has been begun.

EQUIPMENT

Libraries.—The Faculty Library comprises about ten thousand volumes. Although this number is small, the careful selection of the works renders the collection very useful for the purpose of the professors.

The Students' Library also comprises about four thousand books. The leading periodicals are supplied to the Reading Room.

A special Scientific Reference Library of over two thousand volumes and a large number of periodicals relating to branches of Natural Science are at the command of students in these fields.

If the books of the High School are included, the College possesses in all some fifty thousand volumes, exclusive of pamphlets.

Science Departments.—The equipment of each department, Chemistry, Physics, Biology, consists of an amphitheatre, capable of seating comfortably eighty students, a private laboratory for the instructors and advanced students, and large, well-lighted students' laboratories.

A large supply of chemical apparatus of recent type affords facilities for experiments and systematic work in all the departments of general, analytical, organic and industrial chemistry.

The stock of instruments is abundantly sufficient for all the courses offered in physics, and is being constantly added to. The Bischoff collection of lantern-slides, numbering nine thousand and covering most natural science subjects, as well as subjects of history, travel, etc., is kept in the instrument room. One thousand lantern-slides, constituting ten lectures on strictly technical subjects, have recently been added to the Bischoff collection.

Astronomy.—For Astronomy, the College possesses an excellent 3½-inch equatorial, and a collection of 500 lantern-slides.

The Seismological Observatory.—The Seismological observatory is situated in a vault in the basement. It is provided with an eighty kilogram Weichert horizontal pendulum (astatic). The instrument, encased in an air-proof chamber, rests upon a solid concrete base which extends to solid rock twenty feet below the level of the street. The concrete pier is surrounded by water on the surface of which floats oil. The arrangement prevents slight surface shocks from being recorded. The location of the seismograph is extremely favorable for the observation of earthquakes and earth tremors and the instrument has shown remarkable sensitivity. During the year many earthquakes, some of extreme severity, were recorded. Since the installation of the instrument disturbances as far east as Smyrna, a distance of approximately 10,000 miles, have been noted. Since the first of January, 1915, the Canisius Seismological Observatory has become one of two hundred stations co-operating with the United

States Weather Bureau, Department of Seismology. Upon the invitation of the Chief, Professor C. F. Marvin, monthly reports are sent to Washington and printed in the "Monthly Weather Review."

Scientific Collections.—The College possesses the following valuable collections:

Collections of fossils, rocks, ores and other minerals, for the study of geology; the Ashton collection of shells and corals.

Collections of reptiles, insects and birds; over one thousand specimens of the flora of New York State.

The Ottomar Reinecke collection of Caleophera.

In addition there are collections of Indian relics, Japanese curios, coins and stamps, Bibles and manuscripts. This last named collection includes a copy of the famous Kolberger Bible in German, published in 1483, the year of Luther's birth; the great Antwerp Polyglot Bible in six versions, a German Bible of 1543, translated by Peter Jordin, and another of 1536 by Dr. Johannes Eck, with other editions of the Scriptures in western and oriental languages and many early and curious printed works, maps, etc.

Income, Needs of the College, Acknowledgments

The endowment of the College in buildings, educational apparatus and general equipment is of great value. A small productive fund also exists, consisting of foundations made from time to time for scholarships. This, however, is as yet comparatively trifling in amount. The ordinary source of income is the fees of the students. A debt of very considerable proportions has been incurred by the erection of the new and splendid College building. The existence and work of the institution would be precarious or impossible were it not for the fact that the President and the other priests, scholastics and coadjutor brothers of the Society of Jesus give their services without compensation.

It is of the utmost importance that the debt should be rapidly diminished and that the College should be placed in a position to erect the wings originally planned for the structure and to undertake other greatly needed improvements.

For these purposes and for the general development of the College, the President appeals to all graduates, former students and friends of Catholic education for donations and legacies. The names of donors will be attached to buildings erected or funds established by them.

The President and Faculty wish to express their grateful acknowledgments to the following benefactors for their kind donations:

To all contributors to the Million Dollar Expansion Fund.

All Donors of Medals as specified in the Commencement Exercises.

The Canisius Sodality, one Annual Scholarship.

The Canisius Alumni Association, one Annual Scholarship.

The Buffalo Volksfreund Printing Co., one Annual Scholarship.

College Organizations

CANISIUS ALUMNI SODALITY

Administration 1920-1921

Spiritual Director.....REV. M. J. AHERN, S. J.
President.....J. A. WECHTER
First Vice-President.....F. E. FRONCZAK, M. D.
Second Vice-President.....F. J. SEEREITER
Secretary.....F. C. FORNES
Treasurer.....G. D. FOGARTY
Registrar.....A. G. FRIES
Master of Probationers.....J. J. HELBLING
Organist.....E. J. HENS
Librarian.....J. N. FORNES
Consultors—A. J. BOUTET, DR. F. J. BUTLAK, F. J. CONDON, H. M. FLORIAN, D. C. HARRINGTON, J. L. McCORMICK, P. NEBRICH, A. J. ROCHE, A. H. WEPPNER.

ATHLETIC ASSOCIATION

Faculty Director of Athletics.....REV. OWEN S. C. MURPHY, S. J.
President.....ALFRED F. MISSERT, JR., '21
Vice-President.....FRANK P. HENDRICKS, '22
Secretary and Treasurer.....RAYMOND J. BURKE, '21
Executive of Senior Class.....LEO J. MANNING, '21
Executive of Junior Class.....WILLIAM McNALLY, '22
Executive of Sophomore Class.....GEORGE SIMMERMACHER, '23
Executive of Freshman Class.....CHARLES McDONOUGH
Manager of Football.....MARTIN G. PHILLIPS, '21
Assistant Manager of Football.....EDWARD SULLIVAN, '21
Captain of Football.....LEO A. JOYCE, '23
Coach of Football.....HERMAN J. BLEICH
Manager of Basketball.....JOSEPH A. BACH, '21
Assistant Manager of Basketball.....PAUL HENDRICKS, '22
Coach of Basketball.....GEORGE E. SWEENEY
Cheer-Leader.....WILLIAM A. McCONVEY, '23

SODALITY OF THE BLESSED VIRGIN MARY

Under the Title of the Purification, and of St. Stanislaus
Affiliated to the Prima Primaria of the Roman
College, January 1, 1896.

Director.....REV. OWEN S. C. MURPHY, S. J.
Prefect.....CHARLES S. ROCHFORD, '21
Assistant Prefect.....G. M. MAGRUM, '23
Secretary and Treasurer.....S. P. CAIN, '22
Sacristan.....C. C. BROSIG, '23

CANISIUS COLLEGE DEBATING SOCIETY

This Society not only affords opportunity for acquiring facility in public speaking and debate, but aims also at imparting a general knowledge of the political, economical and social questions of the day. Every speech, essay or declamation is followed by frank criticisms from the Director and the members. General discussions give ease and readiness in extempore speech. Meetings are held every Monday afternoon after class hours.

Moderator.....REV. M. J. AHERN, S. J.
President.....RAYMOND J. BURKE, '21
Vice-President.....CHARLES S. ROCHFORD, '22
Secretary.....STEPHEN P. CAIN, '22

THE CANISIUS COLLEGE PHILOSOPHICAL SOCIETY

Moderator.....REV. HERMAN J. MAECKEL, S. J.
President.....LOUIS A. PINGITORE, '21
Vice-President.....ERWIN GLUCKSMAN, '22
Secretary.....STEPHEN P. CAIN, '22
Treasurer.....FRANCIS M. DOOLEY, '22

THE STUDENTS' LIBRARY

The Students' Library has been newly fitted up and arranged this year. It comprises a choice collection of several thousand books which deal with a varied number of subjects and are intended to be used in connection with class studies. Besides, all the leading periodicals are supplied to the reading room.

A special Scientific Reference Library is now being made. Its aim is to supply books of reference for all the scientific departments at the College. Thus it will include all the best and latest books on Astronomy, Biology, Chemistry, Geology, and Physics.

Admission

Candidates for admission, who are not personally acquainted with some member of the faculty, must present testimonials of good moral character. If they have previously attended some other institution of learning, detailed information concerning their previous studies is demanded, as well as a certificate of their class standing, and of honorable dismissal.

Admission may be by Examination, Regents' Diploma, or Certificate from an accredited academy, high school or normal school.

In all cases, the candidate must give satisfactory evidence that he has completed successfully a four years' course of study.

By Examination.—Students choosing this method of admission may take the examination of the College Entrance Examination Board, whose certificate will be accepted as far as it is equivalent. Information regarding the places, fees, dates and conditions of such examinations may be obtained from the Secretary of the College Entrance Examination Board, Post Office Sub-station 84, New York, N. Y. Students, however, wishing to take the examination at Canisius will apply to the Dean for a list of subjects of examination and the dates on which they will be held.

By Regents' Diploma.—The Academic and the College Entrance Diploma of the Regents of the University of the State of New York will be accepted in place of the examinations, as far as they cover the requirements for admission.

By Certificate.—The certificate will be accepted provided the subjects are equivalent to, or cover, the entrance requirements. In all other subjects an examination will have to be passed.

I. REQUIREMENTS OF ADMISSION TO REGULAR B. A. COURSE

N. B.—The term "unit" means a course of four to five hours weekly throughout an academic year of the preparatory school.

Candidates for the degree of Bachelor of Arts must present from the list of subjects on pp. 15-17:

English 1, 2, 3	3 units
Latin 1, 2, 3	3 units
Greek 1, 2, 3	2 units
Mathematics 1, 2, 3	3 units
French or German or Spanish 1, 2	2 units
History	1 unit
Elective Science	1 unit
	15 units

Should a candidate, otherwise qualified, be unable to meet the requirements in Greek, he may take elementary Greek in his Freshman year and finish the Greek course before graduation.

II. REQUIREMENTS OF ADMISSION TO REGULAR B. S. AND PRE-MEDICAL COURSES

Candidates for the degree of Bachelor of Science must present:

English 1, 2, 3		3 units
Mathematics 1, 2, 3		3 units
Latin 1, 2 French 1, 2 German 1, 2 Spanish 1, 2	one of these	2 units
Science		2 units
History		1 unit
Elective		4 units
		15 units

Elective units should be chosen from Latin, Greek, Modern Foreign Language, Mathematics, Mechanical Drawing, Science.

REQUIREMENTS IN INDIVIDUAL SUBJECTS FOR ADMISSION TO REGULAR COURSES

English. 1. Principles — Principles of Composition and Rhetoric involved in the use of words, the structure of sentences and paragraphs; the ordinary forms of composition; letters, narrations, descriptions and essays, versification. The matter contained in Genung's Outlines of Rhetoric and Coppen's Introduction to Rhetoric will serve to indicate what is demanded under this head.

2. Practice—The candidate will be required to write an essay based on the authors specified below for thorough study. The work must be correct in spelling, punctuation, idiom and division into paragraphs, and must give evidence of some proficiency in narration and description.

3. Literature—(a) A thorough study of the following works is required: Shakespeare's Merchant of Venice; Tennyson's Holy Grail and Sir Galahad; Gray's Odes and Elegy; Macaulay's Essays on Addison and Life of Johnson; Scott's Lay of the Last Minstrel; De Quincey's Joan of Arc; Irving's Sketch Book; Goldsmith's Deserted Village. (b) A general knowledge of the following is required: Addison's Sir Roger de Coverley;

Coleridge's Ancient Mariner; Scott's Ivanhoe and The Lady of the Lake; Dickens' Christmas Stories; Longfellow's Hiawatha; Hawthorne's Tanglewood Tales; Wordsworth's Selected Poems.

Latin. 1. Grammar—A thorough knowledge of the grammar, particularly of the structure of subordinate and dependent clauses in direct and indirect discourse. Also some acquaintance with Latin prosody and its application to hexameter and pentameter verse; scansion of Virgil and Ovid.

2. Composition—Translation into Latin of an easy continuous prose passage, based upon Cæsar or Cicero.

3. Reading—Nepos: Lives, to the end of the life of Alcibiades; also the Atticus. Cæsar: De Bello Gallico, four books. Ovid: Selections from the Metamophosis and Tristia (1000 lines). Virgil: Eclogues; Aeneid, Book I. Cicero: De Senectate or De Amicitia. Orations against Cataline. Sallust: Cataline or Jugurtha. The translation at sight of passages not previously seen. Equivalents will be accepted; but the reading required must not be less in amount than the above.

Greek. 1. A thorough knowledge of the etymology and syntax of the Greek grammar is required and must be shown by the candidate in oral explanation of passages taken from authors and in translation from English into Greek.

2. Reading—Xenophon, four books of the Anabasis, or an equivalent from the other writings of Xenophon.

3. Sight reading of easy Attic prose.

History.—1, Greek and Roman History; 2, English History; 3, American History. Elements of Civics; 4, General History.

Mathematics. — 1, Elementary Algebra; 2, Intermediate Algebra; 3, Plane Geometry; 4, Solid Geometry; 5, Advanced Algebra.

MODERN LANGUAGE

French.—1, The elements of grammar, including the irregular verbs. Corresponding oral and written exercises. Analysis and idiomatic translation of Mairet, *La Tache du Petit Pierre,* or equivalent. 2, Syntax. Corresponding exercises from grammar and author. Daudet, *Le Petit Chose,* and Halevy, *L'Abbe Constantin* or the equivalent.

German.—1, Elements of grammar, including the irregular verb. Corresponding oral and written exercises. Reading: *Märchen*

und Erzählungen or the equivalent. 2, Syntax with corresponding exercises from grammar and author. Reading: Stökl, *Unter dem Christbaum,* and Schiller, *Das Lied von der Glocke* or the equivalent.

Spanish.—1, Grammar as for French and German. Reading: Dorado, *España Pintoresca.* 2, Reading: Tomayo, *Lo Positivo.*

Physics.—The most important facts and laws in elementary physics. Preparation should include the mastery of a standard text-book supplemented by numerical problems, instruction by lecture with demonstration and individual laboratory exercises. Note-book to be submitted.

Chemistry.—Preparation and properties of the common elements and their important compounds. Mastery of the more usual chemical terms and ability to make simple calculations and explanations of chemical processes. Preparation should include lectures and demonstrations, study of standard chemistry text-books, and laboratory exercises. Note-book to be submitted.

Elementary Biology: (a) Courses of four or five periods a week in Botany, Zoology or Physiology; or (b) Courses of two or three hours a week in any two of these.

ADMISSION TO ADVANCED STANDING

A candidate for admission from another college must present a letter of honorable dismissal from the president or dean of that college. The faculty will accept properly authenticated certificates of work done in other colleges of good standing. No student, however, may be admitted as a candidate for a degree after the beginning of the Senior year of the class with which he would graduate.

For studies not pursued in residence and not certified to by a recognized institution of higher learning, credits toward degrees or certificate may be granted only in exceptional cases and only if the student passes successfully a special examination in each study for which credit is requested. Students who desire a special examination of this kind in order to secure credit for advanced standing must at the time of matriculation file with the Dean an application setting forth distinctly the facts and the evidence on which the request is based. If the application is granted by the Faculty, the special examination must be taken before the close of the first semester following matriculation.

ADMISSION TO SPECIAL CURRICULA

Candidates desiring to omit certain branches in any of the established curricula may be admitted as Special Students, provided they show themselves qualified to follow successfully the studies chosen. Such students are not candidates for a degree, but will receive a certificate showing their standing in all branches completed by them. The Course in Philosophy, either in Latin or English, offers many intellectual advantages.

CONDITIONAL ADMISSION

Conditional admissions to A. B. course is granted to students who have earned 14 clear credits (13 for B. S. and Premedical Courses) in high school work. The conditions must be removed within one year from the date of admission.

ADMISSION TO GRADUATE COURSES

Students holding the degree of A. B. or B. S. from this College or other institutions of satisfactory standing may undertake postgraduate studies under the direction of the Dean and the heads of various departments.

Elective studies which have not been taken in the undergraduate years may be chosen for postgraduate work; but in this case candidates will be obliged to pursue them in a more extended form.

In the Department of Arts. some branch of Philosophy must be taken by every candidate for a higher degree.

For the Master's degree in Arts or Science, the equivalent of a year's college work is required. It must be understood that only students of exceptional ability and previous training will be able to finish the work in one year.

Examinations must be passed in every branch counted for a degree, and a thesis must be submitted showing original work. The examinations in all branches will be written and in certain branches oral examination will also be required, as determined by the Professors and the Dean.

Fees and Other Expenses

Tuition in all departments, per annum	$150.00
Entrance Fee in all courses	5.00
Library Fee and incidental fees, per annum	5.00
Athletic Fee	5.00
Breakage Fee (returnable)	5.00

Science Fees.—All Students, whether of the Arts or Scientific department, who take courses in Natural Science, are subject to special fees, to cover the expense of common material used in laboratory and lectures, such as gas, electricity, etc., and for the use of general scientific apparatus. These charges are higher for students of the Science Course, owing to the larger proportion of laboratory work and consequent use of material and apparatus.

Arts Course (for each subject, per year)	5.00
Scientific, Pre-medical and Special Courses (for each subject, per year)	10.00
Graduation Fee	10.00

All regular charges are to be paid quarterly in advance.

Accounts date from the first day of the quarter. No deduction is made for absence, except in case of protracted illness.

Former students applying for a detailed certificate of standing must pay a Registrar's fee of $1.00.

Fee for examination in any conditioned branch, each subject, payable in advance, $2.00.

Text-books and stationery, when purchased from the College, must be paid for in cash.

Fellowships

The John A. Miller Fellowship in Chemistry, founded in 1919 in honor of Dr. John A. Miller of Buffalo, N. Y., awarded annually to a graduate of Canisius College, holding a bachelor's degree. The holder gives half his time to laboratory instruction, and devotes the remainder to study and research, with a view to obtaining the degree of M. S.

The Victory Fellowship in Chemistry, founded in 1919, to commemorate the Victory meeting of the American Chemical Society which was held in Buffalo in April, 1919. Conditions and obligations are similar to the John A. Miller Fellowship.

Two Fellowships in Physics were awarded for the first time in 1920.

One Fellowship in Biology will be awarded in 1921.

The total value of each of these Fellowships is about $500.00 a year. Complete information regarding Fellowships may be had from the Dean.

Scholarships

The Scholarships are of two kinds—permanent and annual. A permanent scholarship is provided by a gift of $3,000; an annual scholarship by a gift of $150.

The following scholarships now exist in the College and High School and are available as they become vacant:

PERPETUAL SCHOLARSHIPS

Miss Flora Fricker (1).
Rev. H. M. Leddy (3).
Rt. Rev. Mgr. John Biden, D. D. (1).
St. Michael (1).
Canisius Alumni Sodality (1).
C. H. F. Scholarship (1).
Ignatius Woeppel (1).
Rosa Mystica (J. L. P.) (1).
Rev. William Riszewski (1).
Rev. George Weber (1).
D. H. Coakley, Brighton, Mass. (1).
Albert A. Bettinger Scholarships.
General Scholarships (18).

The following perpetual scholarships were established as a result of the Million Dollar Campaign held in October, 1920:

Rt. Rev. William Turner	St. Francis de Sales Church
Rev. H. B. Laudenbach	St. Francis Church Society
Rev. H. J. Adelman, S. J.	Mrs. Catherine Simons
Rev. Alexander Pitass	Mr. Peter Hentz
Rev. Thomas Stabenau	Mr. and Mrs. M. A. Martin
Rev. Leon E. Hoen	Mr. Charles P. Dewes
St. Michael's Church	Mr. Mathias Hens

Greater Buffalo Advertising Club

ANNUAL SCHOLARSHIPS

One Scholarship given by the Canisius Alumni Association.

One Scholarship given by the Canisius Alumni Sodality.

One Scholarship given by the Rev. Joseph Hummel.

One Scholarship given by the Rev. Charles Duffy, D.D.

The scholarships at present in existence apply to both the High School and College, but the tenure of the incumbent ceases at the end of the High School period and the scholarship is thrown open to general competition for the College course.

Any holder of a scholarship whose conduct or proficiency in studies fails to give satisfaction to the College authorities will forfeit his privilege.

Information concerning conditions, dates of competition, etc., may be obtained from the Dean.

NEW YORK STATE UNIVERSITY SCHOLARSHIPS

In every county of New York State, five scholarships for each assembly district comprised therein are given annually by the State. In Erie County, therefore, the number of such scholarships is forty-five.

Each such scholarship entitles the holder thereof to the sum of one hundred dollars for each of the four years of attendance upon an approved college in this State.

The Scholarships are conferred by the Commissioner of Education upon those students who have passed with the highest standing in their respective counties (not districts) the Regents' examinations for college entrance and have secured the corresponding diploma.

Canisius College is one of the approved institutions in which such scholarships may be enjoyed.

Medals and Prizes

None of the medals or prizes offered by the College are founded, but are presented from year to year by various generous benefactors.

The St. Thomas Aquinas Medal.—A gold medal is awarded annually to the member of the Senior Arts Class who is most proficient in Philosophy.

The Suarez Medal.—A gold medal is awarded annually to the student in Senior Science Class who shows most proficiency in Philosophy.

The St. Ann's Medal.—A gold medal, the gift of the Jesuit Fathers of St. Ann's Church, Buffalo, N. Y., is awarded annually to the student in Junior Arts Class who has the highest class standing in Philosophy, Physics and Chemistry or Biology.

St. Aloysius Medal.—A gold medal is awarded annually to the student in Junior Science Class who has the highest class standing in Philosophy and Science.

Class Medals.—Gold medals are awarded annually to the students who attain the highest class standing in Sophomore and Freshman Arts and in Sophomore and Freshman Science Classes.

The Pasteur Medal.—A gold medal is awarded annually to the student in second year of the Premedical Course who has the highest standing in English and Science.

The Father Wassman Medal.—(Same for first year of Premedical Course.)

N. B. **Premiums.**—Book prizes are awarded annually to the students who stand second highest in all the above mentioned classes.

The Canisius Alumni Sodality Medal.—A gold medal, the gift of the Canisius Alumni Sodality, is awarded annually to the student who wins first place in the Oratorical Contest held in the spring of each year.

Essay Prizes.—Six prizes of twenty dollars are awarded annually to the students who present the best essay on some subject in Literature, History, Chemistry, Physics, Biology and Philosophy.

Book Prizes are awarded annually to the students who have the highest standing in History, Calculus, Freshman Mathematics, Natural Science in Sophomore Class, German and French.

General Regulations

DISCIPLINE

The regulations of the College are calculated to secure the order necessary for the effectual pursuit of studies, to develop and strengthen character, and to promote gentlemanly deportment and polite manners. They are enforced with parental gentleness, combined with energy and firmness. The motives appealed to are honor, conscience and religion.

Although the institution cannot be held responsible for the conduct of students outside of the premises, yet bad conduct outside as well as on the premises, profane or unbecoming language, insubordination, continued inapplication to studies or irregularity in attendance, are causes for dismissal.

All lecture and class hours are of fifty minutes' actual duration; laboratory hours, generally arranged in sessions of two or three together, are of sixty minutes.

The students are required to be regular and punctual in their attendance. Without regular attendance and serious application on the part of the students, it is impossible to attain the purpose for which they are received into the institution.

Parents and guardians of students are informed that home study for the space of two or three hours is required every day. If a student does not devote this amount of time to his studies, the Prefect of Studies should be informed. A notice should also be sent whenever illness or any other cause prevents a student from attending class; a written excuse signed by parents or guardian must be handed to the Prefect before a student is again admitted to the class. But even when so excused, students are not relieved from the duty of making up any work that was required during the time of their absence. Students who are not present 90% of the school year cannot be promoted in June. Frequent communication of parents with the authorities is invited.

EXAMINATIONS AND REPORTS

The standing of each student is determined by daily recitations, home work and oral and written reviews.

The first prize in each class is a gold medal, which is awarded to the student who has the highest class standing for the whole year; a premium is awarded to the student next in merit. Premiums are also awarded to all students having the highest total average in their respective classes of Mathematics, of Modern Languages, or of Sciences. Distinctions in single branches suppose a percentage of 80 in that branch.

No medals are awarded for class standing under 90; no premium for class standing under 85.

Students who fail to reach an average of 65 per cent. for the year in any class branch are debarred from the medal and the premium of that class, even though their general average might otherwise entitle them to one or the other.

Any serious complaint against a student's conduct, attendance, application or deportment will exclude him from all honors.

In determining the class standing in the Arts course, Latin, Greek, English, History and Evidences of Religion are combined. Separate averages are computed for standing in Mathematics, Natural Sciences and Modern Languages.

In the Science course a similar method is pursued, Natural Sciences, English, History and Evidences of Religion being combined in determining the class standing.

Frequent reports are sent to parents and guardians, who are requested to sign and return them promptly.

The student's proficiency is determined according to the following table:

A—100 to 95 per cent.....Excellent
B— 94 to 85 per cent.....Very Good
C— 84 to 75 per cent.....Good
D— 74 to 65 per cent.....Tolerable
E—Below 65 per cent.....Failure and condition

A condition means that the student has to pass a satisfactory examination in the branch in which he has failed, before he can be promoted to a higher class.

No student will be permitted to take final examinations in any subject in which on June 1 his class standing (the average of monthly marks and mid-year examinations) is below 65.

Written tests in all branches are held repeatedly during the year. Oral examinations in Latin and Greek, and written examinations in all branches are held at the close of each term. A fixed day will be set for the examination of all students subject to conditions. A conditioned student will be required to pay a fee of two dollars.

CHAPEL ATTENDANCE

Catholic students are required to make the annual Spiritual Retreat, and they are expected and urged to receive Sacraments of Penance and Holy Communion at least once a week. Non-Catholic students are not required to take part in the exercises of religion.

Divisions of Instruction

DIVISION OF ARTS AND SCIENCES

The most effective means for acquiring a broad and thorough cultivation of the mental faculties which is the aim of all true education and the best foundation for special and professional training, is recognized to be the full and accurate study of the Latin and Greek classics. In connection with these, a thorough training in the arts of composition and rhetoric and in general literature, together with a comparative study of the English language and literature, is essential.

The analytical study of language and letters promotes exactness of thought, delicacy of perception and facility of expression, by the constant and keen exercise of judgment and taste, as well as of the reasoning powers. In this regard, the languages of ancient Rome and Greece, when intelligently and seriously studied, offer greater advantages than any other. They are also most helpful to the knowledge of our mother tongue. Their structure and idiom, so remote from the language of the student, reveal to him the laws of thought and logic and demand reflection and analysis of the fundamental relations between ideas and expression; they exercise him in exactness of conception in grasping the author's meaning and in clearness and delicacy of expression in clothing that thought in the very dissimilar garb of his own native tongue.

One modern language, usually French or German, is required, in addition to English.

History, which has been rightly described as Philosophy taught by examples, brings the student into close contact with the great minds and characters of all ages and familiarizes him with the development and vicissitudes of civilization.

The Higher Mathematics, besides providing the scholar with the instruments of progress in the natural sciences, impart to the mental faculties a special kind of training that cannot be ignored.

The sciences of Physics, Chemistry, Geology and Biology must be known, at least in their outlines and with exact appreciation of their principles, if one wishes to be abreast of modern thought. They are, therefore, made obligatory features of the course.

But, above all, Mental Philosophy is considered of the highest importance. It gives the key to all true knowledge of nature, of man and God, and lays the only solid formation for all other sciences, while revealing their interdependence and method.

Hence in the last two years of the course a thorough study is made of Scholastic Philosophy in its various branches, such as Logic, Metaphysics, Psychology, Natural Theology, Ethics and Political Economy.

The successful completion of the curriculum in Arts and Sciences, which extend through four years, leads to the degree of B. A.

Requirements for B. A. Degree.—No student can receive the B. A. degree who has not pursued the last year of his undergraduate course in Canisius College. All candidates for the B. A. degree must take the following courses:

(a) In Freshman and Sophomore Classes:

Two courses in English, in Latin and in Greek.
One course in General Inorganic Chemistry.
One course in Physics.
Two courses in History.
One course in Modern Language.
One course in Mathematics.

(b) In Junior and Senior Classes:

Since Philosophy holds the position outlined above, each student is required to follow Scholastic Philosophy as his major subject in Junior and Senior. Related minor subjects must be chosen under the direction of the dean and the heads of departments.

DIVISION OF GENERAL SCIENCE

The course in General Science is intended for those students who wish to obtain a more specific training for later work in technological, medical or industrial science than the Arts Course affords. While it is not strictly a technical course, the subjects included represent more than half of those required in engineering courses in our leading technical schools. A student may thus make the first two years of an engineering course in connection with liberal studies. The faculty hope soon to be in a position to announce courses in civil, mechanical, electrical and chemical engineering. At the same time, the demands of general culture will be fulfilled more completely than is usual in strictly scientific or technical education.

The Course in General Science differs from the Arts Course in this, that it substitutes for the requirements in Latin and Greek of the Arts Course, subjects in the Natural Sciences. Other subjects, viz.: English, History, Modern Languages, Evidences of Religion, Elocution, Philosophy and Electives of a non-scientific character, are common to both courses. Philosophy, however, is reduced to a smaller compass and English is

extended. The electives in Science in the Junior and Senior years will naturally be of a more advanced character in the Scientific Course than the similar electives in Science offered in the Arts Course.

The successful completion of this course is rewarded with the degree of Bachelor of Science.

PREMEDICAL

This course is intended for students preparing to enter upon the study of medicine, who are unable to devote to college studies the period of four years necessary for the attainment of a degree in Arts or Sciences.

All candidates for medical schools in New York State must present the medical-student certificate of the Regents of the University of the State of New York, based on the following qualifications: The completion of not less than two full years of study, or the equivalent, in an approved college or scientific school, which college course must have included at least one year's instruction in the elements of Physics, Inorganic Chemistry, and Biology, and French or German.

These courses represent the minimum requirements for admission to medical schools. It is highly recommended that, if possible, the college work include three, instead of two years, so as to allow a more thorough preparation in Physics, Chemistry and Biology.

The Premedical Course of Canisius College, besides the usual training in Science, Mathematics and Languages already noted, includes a solid training in general philosophy. It is felt that the prevalence in our time of false speculations and mistaken theories, and the general ignorance or neglect of the fundamental principles of morality, render such a course in the more important question of Logic, Psychology and especially of Ethics, not only helpful to the students preparing for medical schools, but even necessary to fit them for their future studies and practice.

Great efforts have been made to have the Premedical Course meet all the requirements of the representative medical schools in the east.

FIRST YEAR

Subject	Hours Per Week
English	3
Modern Language	3
Psychology	3
Chemistry	5
Biology	3
	17

SECOND YEAR

Subject	Hours Per Week
English	3
Modern Language	3
Ethics	3
Physics	5
Chemistry	5
Biology	4
	23

College Courses for Teachers

SEPTEMBER, 1920—JUNE, 1921

THE TEACHING STAFF

The instruction in these courses will be carried on by the members of the faculty of Canisius College, who will be assisted by special instructors from Canisius High School and other high schools and colleges of Buffalo and vicinity.

STUDENTS

The courses, which have been inaugurated in response to numerous and repeated requests, are open to both men and women.

They are designed primarily for two classes of students: First, mature students, unable to complete the regular college course, but who wish to pursue liberal studies of college grade, without aiming at an academic degree; second, teachers and others who are desirous of gaining credits towards a future degree. Students of this second class must fulfill the requirements for admission to the regular arts and science courses of the college. It must be clearly understood that this is not to be taken as meaning that any high school graduate may substitute these courses for a regular college course, or augment college credits by extension courses pursued simultaneously with a college course.

CREDITS

Under the direction of the faculty the extension courses will be so arranged as to count towards the degree of Master of Arts and Master of Science, as well as towards the degrees of B. A. and B. S.

To obtain college credits towards a degree, or to be entitled to a certificate of work done in the extension courses, attendance at nine-tenths of the sessions in each course is required besides passing marks in class work and examinations.

Students attending the courses may fulfill the two years of collegiate study required for entrance to medical schools.

EXPENSES

Registration fee, payable once, $5.00.

Courses—For each 3-credit course, $15.00.

N. B. A 3-credit course is one pursued three hours a week throughout one term of seventeen weeks.

Laboratory fees, in the courses of chemistry, physics and biology, per term, each course, $10.00.

Deposit to cover breakage, $5.00.

REGISTRATION

Registration for the First Term will be held on September 27th-October 2nd, 1920. Classes begin on October 4th. The First Term runs fifteen weeks and ends January 29th, 1921.

Registration for the Second Term will be held on February 1-4, 1921. Classes begin on February 7. The Second Term will end June 4.

N. B. The payment of fees is part of the registration. Fees, therefore, must be paid in advance.

Summer Session

A Summer School for the Teaching Sisters of the Diocese of Buffalo, under the auspices of the Right Reverend Bishop of Buffalo and the Diocesan Superintendent of Schools, was inaugurated at Canisius College in 1919. The courses are conducted by members of the faculty of Canisius College and of Canisius High School, of other Jesuit Colleges and High Schools, and of D'Youville College. The Summer Sessions are open to lay women as well as nuns.

The courses offered in the Summer School are designed to be of assistance to:

A—Sisters who are desirous of taking examinations in certain subjects for the State Teachers' Certificate;

B—Sisters and lay women who are desirous of gaining credits towards a possible future College degree.

Courses of Instruction

COURSES OF INSTRUCTION

NOTE.—The courses marked (E) are given in the College Courses for Teachers (1920-1921); those marked (S) are the courses given in the Summer Sessions (1920). All other courses are those of the regular college curriculum.

ASTRONOMY

Astronomy.—Three periods a week for one term required in Senior class.

Celestial Mechanics, Descriptive Astronomy, Application of general principles of Trigonometry, Astronomical instruments, Observation.

BIBLE

Bible, E. 1.—Its origin, interpretation and inspiration. Monday and Wednesday, 4:30-5:45. Three credits each term.

BIOLOGY

Biology I.—One hour lecture and two hours laboratory work weekly throughout the year. The course is required for Premedical I and for those students in the Arts and Science courses who intend to study medicine.

This course affords preliminary work for all those students who intend to study medicine in the future. It has as its object the training of the powers of observation, comparison and judgment, by the actual examination of a number of typical animals and plants which have already been studied during the lecture periods. As an intelligent use of the microscope and a certain skill at dissection are expected in first-class medical schools, much importance is laid on these matters.

Besides laying a foundation for the study of biology, the course comprises the study of typical forms among the plants and lower animals.

For this work a new biology laboratory with complete modern equipment has been built.

Biology II.—Two hours lecture and four hours laboratory work weekly throughout the year. This course is required of Premedical II and of those students of Arts and Sciences who took Premedical I.

This course supplements the work of Biology I. The end in view is the same, although greater stress is laid on the matter of miscroscopical work and dissection. Typical specimens from the five classes of vertebrates are carefully studied and dissected. During these dissections the position and structure of the various organs of the different animals taken are carefully compared. A certain number of microscopic slides are also required of all students. For this purpose a new rotary microtome, paraffin oven and other instruments have been provided.

Biology III.—Two hours lecture and four hours laboratory throughout the year. This course is required in Sophomore Science and optional in Junior and Senior Arts for the men who do not intend to study medicine.

This course gives a general knowledge of the whole field of Biology, including both animals and plants. As in Biology I and Biology II it still aims at developing the same powers of the mind, but in a way that will be most helpful to men in ordinary life, whether it be in business, in social or political life, or in the study of philosophy or theology. Consequently only those animals and plants are chosen that will best serve this purpose.

Biology, S. 1.—Thirty lectures covering the first term's work of the course in General Biology. Two credits.

Biology, S. 2.—Sixty hours of laboratory work to accompany the above. Two credits.

Biology, S. 3.—Second half of the General Biology course, Lectures=30 hours. Two credits.

Biology, S. 4.—Sixty hours laboratory work to accompany Biology S. 3. Two credits.

BUSINESS

Business, E. 1.—Business Law. Tuesday and Thursday, 7:30-8:45. Three credits each term.

CHEMISTRY

Instruction in general Inorganic Chemistry is given to all students in regular courses. For students of the Science and Premedical courses this instruction is of obligation in their Freshman year, for students of the Arts course in their Sophomore year. The course is designed not merely to familiarize the student with the principles of the science and the descriptive chemistry of the non-metallic and metallic elements, but to

constitute an introduction to scientific methods of experimentation, observation and reasoning. Every attempt is, therefore, made to impress upon the student the importance of neatness, accuracy and thoughtfulness in connection with his laboratory practice and to point out rigidly the line of demarkation between the functions of the senses and the intellect in all fields of science.

The instruction in chemical subjects is continued throughout the four years of the Science course, the two years of the Premedical course, and as an elective through two years of the Arts course, and includes Theoretical, Analytical and Organic Chemistry as well as opportunity for elective courses in specialized postgraduate work. Students in the Science course devote, as a rule, more time to these subjects than students in other courses and their work is accordingly somewhat more advanced.

The opportunity for individual research work in the various branches enumerated above is unusually extensive and a private laboratory is well equipped for advanced work of this character.

The aim throughout all the courses of chemical instruction is to teach the student self-reliance, to inculcate habits of accurate thought and work and to afford such a training as will fit him to cope successfully with scientific and technical problems.

Senior Optional Studies in Chemistry.—Students in classes later than the class of 1918 will be allowed to select optional subjects in both terms of their Senior year from the following postgraduate courses: Quantitative Analysis II, a course in technical Metallurgical Analysis; Physical Chemistry, including the Chemistry of the Celloids.

The selection of optional subjects must be made with the approval of the head of the Department and other subjects than those enumerated above may be proposed for acceptance when the student has had the necessary preparation and his schedule of hours permits.

Postgraduate Courses in Chemistry.—In general the requirement for admission to postgraduate courses leading to the degree of M. S. is a recognized degree, either B. A. or B. S. These same courses not leading to a degree may be followed by students not having degrees but possessed of the necessary preliminary instruction as noted under "preparation" in the description of each course.

Undergraduate Courses in Chemistry.

1. Inorganic Chemistry I.
2. Inorganic Chemistry II.
3. Qualitative Analysis II.
4. Quantitative Analysis I.
5. Organic Chemistry I.

1. **Inorganic Chemistry I.**—Three hours a week lecture, recitations and laboratory for one year. Required in the Arts course. Preparation: Vd. Entrance requirements.

In this course the underlying principles of Chemistry are taught in connection with the descriptive chemistry of the non-metallic and metallic elements. Sufficient laboratory work is given to verify and illustrate the principles and facts which have been discussed in the lecture room. Careful manipulation, accurate observation, intelligent inference and neat note-taking are required of each student. Monthly presentation of Lecture-Synopses and Laboratory Reports is demanded.

2. **Inorganic Chemistry II.**—Three hours lecture or recitation and four hours laboratory work a week for one year. Required in the Science and the Premedical courses. Preparation: Vd. Entrance requirements.

This course provides for a review of the fundamental laws and conceptions of chemistry, and, in addition, for the study of velocity of reaction, kinetic molecular theory, solution, electrolytic dissociation theory, the periodic system of the elements, chemical equilibrium, the non-metallic elements and their reactions. The natural families of metals are then studied and especial emphasis laid on the detailed study of the properties of elements and compounds in their relation to the classification afforded by Mendeljeeff's Periodic System. Special stress is laid upon such technical and industrial processes as The Fixation of Atmospheric Nitrogen, The Manufacture of Sulphuric Acid and Sodium Carbonate, The Metallurgy of Iron and Steel, The Chemistry of Photography, The Chemistry of Fertilizers. Several hundred problems are presented for solution. These problems deal with the reduction of gases to standard conditions, chemical equations, thermal equations, gas equations, determination of equivalent, molecular and atomic weights. The laboratory work consists of seventy-five experiments. These experiments include the isolation of the principal non-metallic elements and the formation of their compounds, the determination of approximate atomic weights, the verification of the fundamental Laws of Chemistry, electrolysis, ionic equilibrium, neutralization, the tests for, and properties of, the metallic elements and their more important compounds. Students are required to construct as a result of personal experimentation an electromotive series of the metals. Monthly presentation of Lecture-Synopses and Laboratory Reports is demanded.

3. **Qualitative Analysis II.** Lectures, recitations, laboratory work, six hours a week for one year. Required in Science course. Optional in Arts course. Preparation: Chemistry 2 or 1.

This course is an attempt, on the experimental side, to train the student of qualitative analysis in careful manipulation and exact methods of procedure such as are commonly employed in quantitative analysis. It is an attempt, on the theoretical side, to make clear to the student the reason for each operation and result and to accustom him to apply to them the laws of chemical equilibrium and the principles relating to the ionization and complex-formation of substances in solution. It is assumed in this course that the student has acquired in his previous course on Inorganic Chemistry, a general knowledge of the mass-action law and of the chemical aspects of the ionic theory. Not only is the educational value of the course broad but it serves as a necessary introduction to the study of quantitative analysis. In addition to the methods for detecting the ordinary basic-constituents as outlined in Chemistry 3, additional methods for identifying the rare metals are considered in this course. Supplementary procedures for the detection of Ammonium; the determination of the State of Oxidation of Mercury, Tin, Iron and Arsenic; the detection of very small quantities of Arsenic and Antimony are also given. In the detection of Acidic constituents a more complete and more instructive system of analysis than that included in Chemistry 3 is presented. Reactions in the Dry way are studied in detail. The conduct of substances when heated in closed and open tubes, on charcoal before the blowpipe with or without solid reagents. Characteristic flame tests and behavior upon fusion with microcosmic salt and borax are also noted. The course is concluded with the presentation of various comprehensive schemes for the complete analysis of any unknown inorganic substance. These schemes are tested by the analysis of unknown minerals, salts, alloys and pigments. At the beginning of every second laboratory exercise class-room conferences are held at which the experiments to be made next are discussed in outline and those made at the previous exercises are reviewed in detail. These conferences are carried on mainly by questioning the individual students and by encouraging them to ask questions as to matters which they do not understand. In addition to these recitations, reports, representing about eighty analyses are demanded.

4. Quantitative Analysis I.—Lecture, recitations, laboratory work, six hours a week for one year. Required in Science course. Optional in Arts course. Preparation: Chemistry 1, 3 (minimum).

In this course one term is devoted to Gravimetric analysis, the other to Volumetric analysis. The time is spent upon simple quantitative analyses which are typical of the subdivisions of the subject, such, for example, as the gravimetric determination of

Aluminum in alum, of Copper in purified Copper sulphate, of Iron in an unknown Ferrous salt, of Chlorine in an unknown soluble chloride, of sulphuric, phosphoric and carbonic acids; of iron calcium and magnesium; of silica in glass; the volumetric determinations involving the use of acid and alkali, and such oxidizing agents as potassium bichromate and permanganate, and iodine, as well as the process of chlorimetry. Included in this course are: the calibration of flasks and burettes and a thorough study of "end-point," involving modern conceptions of internal indicators. Great stress is laid upon the accuracy necessary for quantitative work. Special attention is given to Stoichiometry and the modern theories of solution as applied to Quantitative Analysis. Reports representing twenty-five analyses of chemically pure substances are demanded.

In connection with this course, students may arrange for extra laboratory hours to be spent in the practice of electrochemical methods of analysis.

5. **Organic Chemistry I.**—Three hours lecture and recitations, four hours laboratory a week for one year. Required in Science and Premedical courses. Optional in Arts course. Preparation: Chemistry 1 (minimum).

A course in which the general principles and theories of organic chemistry, the method of preparation and the characteristic reactions of the more important straight chain and cyclic compounds, such as hydrocarbons, alcohols, phenols, ethers and amines and their related nitrogen compounds are treated in great detail. The lectures are fully illustrated by experiments. In the laboratory the student becomes familiar with the operations and apparatus involved in organic work, such as fractional distillation, extraction crystallization, steam distillation, determination of melting and boiling points, and the like; and with various general methods of preparation, such as etherification, saponification, nitration, sulphonation, reduction and oxidation, diazotization, etc. He prepares in all from twenty to thirty compounds, including products of synthetic and commercial interest. The instruction in this course also includes qualitative tests for all the important elements occurring in organic compounds, and quantitative determinations of carbon, hydrogen, nitrogen and the halogens.

Chemistry E I.—General Inorganic Chemistry. Lectures, recitations and demonstration. Credits, 3.

Section I.—4:30-5:45, Tuesday and Thursday.

Section II.—7:30-8:45, Wednesday and Friday.

Chemistry E II.—Laboratory work in General Inorganic Chemistry. Two hours or four hours per week. Credits, 1 or 2.

Section I.—Afternoons, by appointment, 4-6.

Section II.—Evenings, by appointment, 7:30-9:30.

Chemistry E III.—Qualitative Analysis. Four hours lecture and laboratory. Credits, 3 hours per term.

Section I.—Afternoons, by appointment, 4-6.

Section II.—Evenings, by appointment, 7:30-9:30.

Chemistry E IV.—Organic Chemistry. Lectures and recitations. Credits, 3 hours per term.

Section I.—4:30-5:45, Tuesday and Thursday.

Section II.—7:30-8:45, Wednesday and Friday.

Chemistry E V—Organic Chemistry Laboratory. Two or four hours per week. Credit hours, 1 or 2 per term.

Sections and hours as in Chemistry E II.

Chemistry E VI.—Elementary Quantitative Analysis. Credits, 3 or 4 hours per term. Hours by appointment.

Chemistry E VII.—Advanced Quantitative Analysis. Credits and hours as in Chemistry E. VI.

Chemistry, S. 1.—General Inorganic Chemistry, Part 1, Lectures=30 hours, 2 credits.

Chemistry, S. 2.—General Inorganic Chemistry, Part 1, Laboratory=60 hours, 2 credits.

Chemistry, S. 3.—General Inorganic Chemistry, Part 2 (presupposes S. 1 and S. 2). Lectures=30 hours, 2 credits.

Chemistry, S. 4.—General Inorganic Chemistry, Part 2, Laboratory=60 hours, 2 credits.

Chemistry, S. 5.—Organic Chemistry, Part 1 (pre-supposes a knowledge of General Inorganic Chemistry). Lectures=30 hours, 2 credits.

Chemistry, S. 6.—Organic Chemistry, Part 1, Laboratory=60 hours, 2 credits.

Chemistry, S. 7.—Organic Chemistry, Part 2. Chemistry S. 5 and S. 6 are presupposed. Lectures=30 hours, 2 credits.

Chemistry, S. 8.—Organic Chemistry, Part 2. Laboratory=60 hours, 2 credits.

Chemistry, S. 9.—Qualitative Analysis. Lectures=30 hours, 2 credits.

Chemistry, S. 10—Qualitative Analysis. Laboratory=120 hours, 4 credits.

Chemistry, S. 11.—Quantitative Analysis. One lecture and five hours laboratory work each day. Credits, 6.

Postgraduate Courses in Chemistry.

6. Quantitative Analysis II.
7. Organic Chemistry II.
8. Physical Chemistry.
9. History of Chemistry.
10. Chemistry Seminar.

6. Quantitative Analysis II.—Lectures and laboratory, two hours a week for one year. Required in M. S. course. Substitutes, Chemistry 8, 9. Optional in B. S. sen. Preparation: Chemistry 2, 4, 5.

This course is an extension of Chemistry 5. It is assumed that the student is perfectly familiar with the use of the balance, the principles of volumetric analysis, and stoichiometry and no attempt is made to enlarge upon these subjects. The course, which comprises mainly laboratory work, is intended chiefly to train the student in manipulation. After some preliminary advanced mineral analyses such as the determination of Silica in Silicates, of Potassium and Sodium in Silicates, analysis of Spathic Iron ore, iodometric determination of Copper, and proximate analysis of Coal; the important principles of metallurgical analysis are considered. The sampling and chemical analysis of Iron and Steel. especially the different practical methods actually in use at the various industrial laboratories, are studied and practiced. Under Sampling are considered: The importance of proper Sampling, Treatment of polished specimens, Metallographic characteristics of the constituents occurring in iron and steel, the causes of local differences in the chemical composition of Iron and Steel, Conditions which make the taking of representative samples difficult, white iron, gray iron, ingot iron and mild steel, wrought iron, sampling in special cases. Under analysis of iron and steel are considered: Determinations of Carbon. Silicon, Manganese, Phosphorus, Arsenic, Sulphur, Copper, Nickel, Cobalt, Chromium, Aluminum, Titanium, Tungsten, Vanadium, Molybdenum, Oxygen and Nitrogen. In many cases the student is offered a choice of method where the prin-

ciple differs as it is desirable that the student should acquaint himself with each method. This course is not given with the idea of producing specialists along this line, but it is used as an example of the development of rapid, accurate processes for the control of commercial products.

7. **Organic Chemistry II.**—Lectures and laboratory, two hours a week for one year. Required in M. S. course. Substitutes, Chemistry, 7, 9. Preparation: Chemistry 2, 6.

This course is an extension of Chemistry 6. In this course is developed more particularly the connection between structural relations and physical properties, dynamic isomerism, steric hindrance, energy relations in the organic field, and a detailed study of the more important classical synthesis. The facilities of the well-equipped Organic Laboratory of the College are open to properly qualified students for either research work or work in the preparation and reactions of special classes of organic compounds. The kind and amount of work will be varied to meet individual requirements.

8. **Physical Chemistry.**—Lectures, laboratory, two hours a week for one year. Required in M. S. course. Substitutes, Chemistry, 7, 8. Optional B. S. sen. Preparation: Chemistry 2, 6; Physics 2.

Gases, vapors and liquids (kinetic theory, critical state, molecular weights). Solutions, osmotic pressure, freezing and boiling points, molecular weights of dissolved substances. Thermo-chemistry. Heat of formation, heat of solution. Chemical kinetics, study of mass law, velocity, constants, partition co-efficients, phase rule, transition points. Colloids—suspensions, emulsions. A brief survey of the industries dealing with colloidal substances. Technical applications of physical chemistry.

9. **History of Chemistry**—Preparation: Lectures. two hours a week for one term. Optional in M. S. course.

A detailed study of the history of chemical science, starting with its crude beginnings and following the development step by step through the alchemistic, iatro and phlogiston periods. In this course historical development of the important theories of Chemistry is also considered. The treatment of the entire subject is carried out along the "cause and effect" historical method, though special attention is given to the life and work of the men who have materially advanced the science by their investigations and work. At the completion of the course an essay based on the study of some important period (or classical memor) in the history of Chemistry is demanded.

10. **Chemistry Seminar.**—Weekly meetings throughout the second term. Required in M. S. course.

The object of these conferences is to bring into closer connection and harmony the functions of ultimate and proximate causes as developed in Philosophy and Chemistry respectively, philosophical theories on the Constitution of Matter—Atomic, Dynamic, Hylomorphic—are considered in the light of the very latest theories and discoveries of modern chemistry. Among the particular topics treated may be mentioned the following:

The objective significance of bonds or links as displayed in Organic structural formulae.

Hylomorphism and the Theory of Electrons.

Philosophical significance of Moseley's Atomic Numbers.

Dependence of properties on energy content rather than on Atomic Weight. Illustrated by the changes in character in the atom of Manganese with gain or loss of electrons.

Allotropy; Isomorphism; Isomerism; Characteristic Spectra, etc., etc.

Students are required to prepare and present an original thesis embodying a philosophical criticism of some recent but well tested chemical theory.

EDUCATION

This elective, offered primarily but not exclusively, to students who wish to qualify themselves for the New York State Regents' College Graduate Certificate, is so arranged that the students electing Pedagogy during their Senior and Junior years may take those subjects in education not already included in the prescribed courses of philosophy so as to fulfill the Regents' requirements for the above mentioned certificate.

As a thorough course in general psychology is required for all Baccalaureate degrees given in this college, the elective course in pedagogy is arranged to provide the additional subjects of the Regents' requirements. In accord with the educational traditions of the Society of Jesus, in the course of Pedagogy at Canisius, especial emphasis will be placed upon the following psychological aspects of education: Training of the imagination; Formation of judgment and of character; Moral Training. The course is distributed through the Junior and Senior years. Opportunities for observation will be provided in Canisius High School and in any of the parochial and public schools of the city that the students may choose. Further inquiries regarding this course should be made of the Dean. The course is registered by the Regents as fulfilling the conditions

for an approved department of education. The preparation which will be required for the graduate certificate, is represented by the following courses:

(a) **Psychology, General and Educational.**—Philosophy 1, 2, 5.

(b) **Principles and Method.**—Four hours a week for one year.

(c) **History of Education.**—In the courses of General History the following topics are treated at considerable length: Education in the Middle Ages, Scholasticism and the Universities, The Renaissance, The Reformation and Counter-Reformation. Besides this, one hour a week for two years is devoted to the History of Education.

Education, S. 1.—Educational Psychology, 2 credits.

Education, S. 2.—Principles of Education, 2 credits.

Education, S. 3.—Primary Methodology. Of special interest to primary teachers and principals; 2 hours daily; 2 credits.

Education, S. 4.—Educational measurements of interest to all teachers and principals; 2 hours daily; 2 credits.

Education, S. 5.—Typical Forms of Literature; of special interest to Grade and High School teachers of English; 2 hours daily; 2 credits.

ENGLISH LANGUAGE AND LITERATURE

1. English.—Three hours a week for one year in Freshman class.

(a) Precepts. Principles of literary criticism. Choice of words. Elegance, vigor and variety of expression. The orderly and logical development of thought. Prose, rhythm, style. Principles of narration, description and exposition. Nature of poetry. Poetic diction. Versification. The Epic. A comparative study of the Odyssey, Aeneid and Paradise Lost. Lyric poetry, its various kinds. (Connell, A Study of Poetry.)

(b) Authors: Prose—Newman, Ruskin, De Quincey, Hawthorne, Arnold (Brewster's Studies in Structure and Style). Poetry—Selection from Shelly, Wordsworth, Keats, Tennyson (Palgrave's Golden Treasury); Milton, Paradise Lost, I, II; Shakespeare, Julius Caesar, Midsummer Night's Dream.

(c) Composition: One composition in prose or verse to be written each week outside of class. The nature of this composition work will be in keeping with the scope of the class work as outlined in the precepts given above.

(d) History of English Literature: Early English literature. The Age of Chaucer. The Elizabethan Period. Shakespeare and his Contemporaries. (Brooke's English Literature.)

2. English.—Three hours a week for one year in Sophomore class.

(a) Precepts of Oratory. (Coppens, Oratorical Composition.)

(b) Rhetorical Analysis of Great Orations:

I Term—Burke, American Taxation or Bristol Election.

II Term—Burke, Conciliation with America.
Webster, Adams and Jefferson.

(c) Authors:

I Term—Shakespeare, Hamlet (analysis), King Lear (reading).
Burke. Speech to the Bristol Electors.
Webster, Bunker Hill.
Newman, Second Spring.
Palgrave, Golden Treasury.

II Term—Shakespeare, Macbeth (analysis).
Bradley, Oratorical Selections.
Stedman, American Poets.

(d) Composition: Oratorical. Exercises in the application of the precepts of rhetoric. Practice in the drawing of briefs.

(e) History of English Literature, from the death of Elizabeth to the Victorian Period (Brooke's English Literature, cc. X-V).

3. English.—Three hours a week for one year in Junior class of Science course.

(a) Precepts—The Drama. Laws and Technique.

(b) Authors—Shakespeare's Plays. Interpretation, Critical and Comparative Study.

(c) Composition. One composition every week or fortnight. Essays, Critical and Philosophical.

4. **English.** Journalism.—The Modern Newspaper: its functions and make-up; news and news-values; the gathering and writing of news; the structure and style of news stories; copy-editing and proof-reading.

English E I.—Poetry; its value and nature; the distinction between poetry and prose; the various elements of poetry; the types of poetry; poetic diction; the general laws of versification; an examination of several poetic masterpieces. Wednesday and Friday, 4:30-5:45. 3 credits each term.

English E II.—Oratorical Composition—the arrangement and writing of a speech. A course highly recommended to lawyers and all professional and business men. Tuesday and Thursday, 7:30-8:45. 3 credit hours per term.

English E III.—Second Year Oratorical Composition. A practical course in the writing and delivery of a speech. Monday and Wednesday, 7:30-8:45. 3 credits each term.

English E IV.—A course in English Ballads. Two hours weekly.

English, S. 1.—Oratorical Composition—Argumentation, Debates, practical work of writing a speech, 2 credits.

English, S. 2.—An Introduction to Victorian Poetry, Tennyson, Browning, Arnold, Swinburne, Rossett, Wm. Morris, 2 credits.

English, S. 3.—(a) Modern Irish Literature. A study of the origins of the modern Irish Literary movement from the Eighties of the last century to the present day. 15 lectures. (b) Some Aspects of Contemporary English Literature. Special attention will be paid to contemporary developments in the novel, the drama, and poetry. 15 lectures.

English, S. 3 (a) and (b), 2 credits.

English, S. 4.—American Literature, 2 credits.

English, S. 5.—American Literature, 2 credits.

S. 4 and S. 5 have been arranged especially for those teaching these subjects in High Schools, and for those who desire to take the Examination for State Life Certificates.

English, S. 6.—English Composition. A Course in Elementary English Composition. A review of rules for punctuation, paragraph writing, etc., 2 credits.

EVIDENCES OF RELIGION

1. **Evidences of Religion.**—Freshman Year. One hour and one-half a week.

First Term—Eschatology. Christian Morality. The Theological Virtues: Faith, Hope and Charity. (Wilmers, pp. 385-436).

Second Term—The Virtue of Religion. Divine Worship. Christian Duties. Christian Perfection. (Wilmers, pp. 436-494).

2. **Evidences of Religion.**—Sophomore Year. One hour and one-half a week.

First Term—Grace. The Sacraments in General. Baptism. Confirmation. The Holy Eucharist. (Wilmers, pp. 279-341).

Second Term—The Mass. Penance. Extreme Unction. Holy Orders. Matrimony. The Church as a Means of Salvation. (Wilmers, pp. 341-385).

3. **Evidences of Religion.**—Junior Year. One hour and one-half a week.

First Term—Revelation, Natural and Supernatural. Miracles and Prophecies. The Primitive, Patriarchal and Mosaic Revelation. The Christian Revelation. The Institution and End of the Church. (Wilmers, pp. 1-77.)

Second Term—The Constitution of the Church. St. Peter given the Primacy not only of honor, but also of jurisdiction. The Pope, the successor of St. Peter. The Infallibility of the Pope. The Marks of the Church. The teaching office of the Church. Sources of the Church's teaching: Holy Scripture. Tradition. The Rule of Faith. (Wilmers, pp. 77-152.)

4. **Evidences of Religion.**—Senior Year. One hour and one-half a week.

First Term—The Existence and the Nature of God. The Divine Attributes. The Unity of God. The Blessed Trinity. The Creation of the World. (Wilmers, pp. 152-219.)

Second Term—Creation and Fall of Man. The Incarnation. The Redemption. (Wilmers, pp. 219-279.)

FRENCH

French I.—The article, noun, pronoun, adjective, auxiliary verbs, regular conjugations, corresponding exercises in composition. Special attention is paid to pronunciation and the common idioms. French is used as much as possible in the classroom and the pupils are constantly exercised in easy French conversation.

Grammar—Chardenal.

Reading—A. De Monvert, "La Belle France."

French II.—Review of regular verbs. Reflexive neuter, impersonal verbs, syntax, corresponding exercises in composition. French conversation based on the text is conducted throughout the course. Exercises in letter-writing.

Grammar—Chardenal.

Reading—Halèvy, "L'Abbé Constantin"; Molière, "Le Bourgeois Gentilhomme"; Van Buren, "Contes du Pays de Merlin"; Daudet, "Chois de Contes."

French E I.—Intermediate French. Wednesday and Friday, 4:30-5:45. Three credit hours each term.

French E II.—Elementary lessons in French Grammar and Reading. Tuesday and Thursday, 7:30-8:45. Three credits each term.

French E III.—Post-graduate course. Hours by appointment.

I. **Histoire de la Littérature Française:**

(Duvall—Heath)

1. First Term—The 17th Century.
2. Second Term—The 18th Century.

Questions to be answered in French.

II. **Authors:**

1. Corneille. (a) Le Cid (c) Polyeucte
   (b) Horace
2. Molière. (a) L'Avare
   (b) Le Bourgeois Gentilhomme
   (c) Le Malade Imaginaire
   (d) Les Femmes Savantes
   (e) Les Preciéuses Ridicules
3. Racine. (a) Athalie (d) Andromaque
   (b) Esther (e) Gritannicus
   (c) Phedie (f) Iphiginie

4. Bazin. Le Blé qui leve
5. La Biche et Martin. (a) La Pondre aux Yeux
   (b) Le Voyage de M. Perrichon
6. Halèvy. L'Abbé Constantin.
7. Merimée. Colomba.
8. Rostand. Cyrano de Bergerac.
9. Contes Français. (Holt.)
10. Longer French Poems. (Holt.)

III. **The Examination will include:**

1. At least six of the foregonig works.
2. Translation into English.
3. French Composition based on the French Text.
4. Questions in grammar, philosophy and erudition.
5. Critical questions on the French drama.
6. Comparison of the classical dramatists with the modern.
7. Brief answers to be given orally in French.
8. Evidence that the candidate can understand easy French conversation.

French, S. 1. — Elementary lessons in French Grammar and Reading, 2 credits.

French, S. 2.—Intermediate French, 2 credits.

French, S. 3.—Advanced French, 2 credits.

GEOGRAPHY

Geography, S. 1.—Applied Geography.—Two points credit for the lecture course on passing a satisfactory examination; one additional point for the laboratory work. The lectures may be taken without the laboratory work.

The course in Conservation is a study of the natural resources of the United States,—soils, forests, minerals and waters; the complete dependence of the nation's industries upon them, and the efficient use of these resources that they may serve the greatest number of people for the longest time. It includes the

study of the need for reducing soil waste, supplying fertilizers for worn-out soil, reclaiming swamp and arid lands, increasing agricultural production and conserving mineral fuels and metals, and of the methods of attaining results. The course further deals with problems of forest protection, water supply, control of water power, and the use of inland waterways. The course helps to establish principles of good citizenship.

GEOLOGY

Geology.—Three hours a week for one term.

Physiographic: general features of the earth's surface. Structural: constitution of rocks, terrains, classification of the Animal and Vegetable Kingdoms. Dynamic: The formative, protective and destructive effects of life, chemical action of air and water, mechanical effects of air and water, sources and effects of heat, crustal movements. Historic: Archaean, Paleozoic, Mesozoic, Cenozoic.

Geology, S. 1.—The Geological Foundations of Geography, 2 credits.

GERMAN

German 1.—Three hours a week.

This course is so arranged as to accommodate premedical students, as well as regular college students.

During this course the elements of German grammar will be covered.

German 2.—Three hours a week.

Prerequisite German 1 or equivalent.

This course is adapted to comply with regulations for premedical students. Special scientific subjects will be treated and special work will be assigned to enable students to translate and understand articles treating on scientific topics.

Text-book: Bacon, "German Composition."

Rapid review of strong verbs—prepositions governing two cases. Inverted and transposed order. Prefixes. Use of tenses. Formation of Words—Compound Words—Participal Construction. Composition and discussion on scientific subjects known to the students.

German 3.—Two hours a week (credit for three hours).

Prerequisite German 2 or equivalent.

Extensive side reading is required.

During the first term stress is laid on free use of language, oral and written composition from classics.

Each student will have special work assigned and is required to give a good synopsis in German.

During the second term, a brief survey in German literature will be given.

German E I.—Intermediate German. Wednesday and Friday, 4:30-5:45. Three credits each term.

German E II.—Readings from German Literature. Tuesday and Thursday, 7:30-8:45. Three credits each term.

German E III.—Advanced German. Credit for three hours. By appointment only.

Systematic short reviews of the grammar.

Essay writing—study of etymology and orthography.

Sight translations of classics, exclusively carried on in German language.

German, S. 1.—Intermediate German, 2 credits.

German, S. 2.—Reading from German Literature. Two credits.

GREEK

I. Greek.—Three hours a week for one year.*

1. Grammar—Review of Greek moods and tenses. Prosody and versification for the structure of epic and tragic verse.

2. Authors: Plato, Apology; Homer, Odyssey; Herodotus, (selections for sight reading); Demosthenes, Olynthiacs; Euripides, Hecuba; Herodotus, (selections for sight reading).

3. Composition—Written exercises once a week, in imitation of Plato and Demosthenes.

II. Greek.—Three hours a week for one year.*

1. Authors: Demosthenes, First Philippic; or Æschylus, Prometheus Bound; Sophocles, Œdipus Tyrannus; Thucydides, Book II (selections); Demosthenes, De Corona; Thucydides, Book II (continued).

2. Composition—Written exercise once a week.

Greek, S. 1.—Elementary lessons in Greek Grammar and Reading, 2 credits.

HISTORY

1. **General European History.**—Two hours a week for one year.

The first Teutonic invasions. The fall of the Western Empire. The kingdoms of the Franks, Ostrogoths and Lombards. The Arabians. The establishment of the Papal States. Church and State. Carolingians, Northmen, Norman exodus. Lay investiture. Crusades. (Guggenberger's General History, Vol. I.)

2. **General European History.**—Two hours a week for one year.

The Protestant Revolt; The Great Western Schism, The Hundred Years' War, Wars of the Roses, Consolidation of the European Monarchies. The Reformation in Germany, in England and Scotland. The Catholic Revival. The wars of the Reformation; Huguenot Wars, Mary and Elizabeth, The Thirty Years' War, the Puritan revolt. Age of Louis XIV. (Guggenberger, Vol. II.)

3. **General European History.**—Two hours a week for one year.

Causes of the Social Revolution: The Hanoverian Succession, Making of Russia, Wars of the Austrian Succession, The American Colonies, Seven Years' War, Division of Poland, American War of Independence. The French Revolution. Era of Napoleon I. Catholic Emancipation. European Revolution. (Guggenberger, Vol. III.)

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*NOTE.—Credit is given for three hours a week, though five hours of actual time are devoted to the study of Greek. According to the Jesuit System, two hours of this time are given to conference with the individual students, to repetitions, quizzes and correction of exercises.

History E I.—Renaissance and Reformation. Tuesday and Thursday, 4:30-5:45. Three credit hours each term.

History, S. 1.—Medieval History from the Fall of the Roman Empire, 2 credits.

History, S. 2.—American History, 2 credits.

History, S. 3.—Civics. A course in Civics with special reference to needs of New York State Teachers, 2 credits.

HISTORY OF PHILOSOPHY

History of Philosophy.—Senior Year. Two hours a week.

First Term: Oriental Philosophy: The Sacred Books of the Chinese. The Vedas and other productions of Indian Literature. The Philosophy of Vedanta, of Samkhya and Yoga, of Nyaya and Vaishesika. Philosophical Theories of Egypt and of Western Asia.

Greek Philosophy: The Ionic School. The Eleatics. The Sophists. Socrates and the Socrates Schools. Plato. Aristotle. The Epicureans. The Stoics. The Sceptics.

Catholic Philosophy: The Gnostics. The Neo-Platonists. The Fathers of the Church.

Scholastic Philosophy: Boethius, St. John of Damascus. Erigena. Avicenna. Averroes. Alexander of Hales. St. Bonaventure. Albertus Magnus. St. Thomas Aquinas. Roger Bacon. Duns Scotus. Raymundus Lullus. William of Occam. Peter d'Ailly. Tauler. Gerson. Nicholas of Cusa. The Mystics. The Revival of Platonism, of Aristotelianism. The Secular Philosophers. The Political Philosophers.

Second Term: Modern Philosophy: Descartes and His Followers. Malebranche. Spinoza. Bayle. Cudworth. Locke. Hume. Condillac. Helvetius. Voltaire. The Encyclopaedists. Leibnitz. Wolff. Berkeley. Rousseau. The Scottish School. The Transcedentalists: Kant, Fichte, Schelling, and their Schools of Thought. Herbart and Schopenhauer, Krause and Hegel. The Non-Kantians. Von Hartmann. Trendelenburg. Lotze. Current Philosophical Theories. Neo-Scholastics. Thomistic Philosophy under Leo XIII.

LATIN

I. Latin.—Three hours a week for one year.*

1. Authors: Virgil, Aeneid; Horace, Arts Poetica; Cicero, Pro Archia; Livy, selections for translation and sight reading; Horace, Odes (selected); Cicero, Pro Marcello, Second Philippic or De Signis; Livy, (as above).

2. Composition—Principles of Latin style. Latin prosody and versification with special reference to Latin lyric metres. Prose composition twice a week; verse once a week.

II. Latin.—Three hours a week for one year.*

1. Authors: Cicero, Pro Lege Manila; Horace, Epodes, Satires, Epistles (selected); Tacitus, Agricola or Germania; Cicero, Pro Milone, Pro Ligario; Juvenal, Satires (selected); Tacitus, Annals, Book I.

2. Composition: Oratorical prose composition and occasionally an exercise in Latin verse.

Latin E I.—Selected parts from Cicero, with lessons in Etymology and Syntax. Monday and Wednesday, 4:30-5:45. Three credit hours each term.

Latin E II.—Horace. Saturday, 9:30-12:00 (with recess). Three credit hours each term.

Latin E III.—Methods in Latin. Tuesday and Thursdays, 4:30-5:45. Three credits each term.

Latin E IV.—Advanced Latin Composition. Friday, 4:20-6:00. Two credits.

Latin, S. 1.—Elementary Latin. A rapid review course of the first year Latin.

Latin, S. 2.—Caesar. A rapid review course in the chapters of Caesar required by the Regents for High School.

Latin, S. 3.—Latin for Beginners. A Course for those who desire to take up Latin from the very beginning.

Latin, S. 4.—Caesar. A course for those who desire to begin their reading of Caesar towards the fulfillment of College Entrance requirements.

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*NOTE.—Credit is given for three hours a week, though seven or eight hours a week are given to the study of Latin. Four or five hours weekly are given to conferences with the individual students, to repetitions, quizzes and correction of exercises.

Latin, S. 5.—Latin Syntax and Composition. A thorough explanation of the principles of Latin Syntax and practice, 2 credits.

Latin, S. 6.—Cicero and Virgil, 2 credits.

Latin, S. 7.—Cicero, 2 credits.

ELEMENTARY LAW

Law in General, Its Nature and Origin.—The moral obligation of law, its source and limitations. The legislative power, its subject and exercise.

The Civil Law of Rome.—Common Law and Equity in England. Methods and procedure. Their modifications in the United States. The code. Civil and criminal law.

The Right of Private Property.—Estates in real property. Real estates in real property and personal estates in real property. Title by gift and by contract. Agency. Partnership.

Private Wrongs.—Proceedings in an action at law. Evidence. Equitable remedies. Crimes. Degrees of Crime. Relation of criminal actor to criminal act. Criminal procedure. Nature and function of a State. Subjects and their relations to the State. Text-book: Robinson, Elementary Law.

One hour a week for a year, obligatory in Senior of A. B. and B. S. courses. Four additional hours every week, open to students who intend to take up the study of law after graduation.

MATHEMATICS

1. **Mathematics.**—Four hours a week for one term.

Plane Trigonometry with its application to practical Surveying and Elementary Navigation. (Wentworth.)

2. **Mathematics.**—Four hours a week for one term.

Analytical Geometry, loci and equations, the straight line, the circle, parabola, ellipse, hyperbola; general discussion of the equation of the second degree.

3. **Mathematics.**—Four hours a week for one year.

(a) Spherical Trigonometry.

(b) Calculus: Integral and Differential.

Mathematics E I.—Intermediate Algebra. Tuesday and Thursday, 4:30-5:45. Three credits each term.

Mathematics E II.—Advanced Algebra. Monday and Wednesday, 7:30-8:45. Three credits.

Mathematics E III. — Trigonometry. Saturday, 9:30-12:00. Three credits.

Mathematics E IV.—Plane Trigonometry. Tuesday and Thursday, 7:30-8:45. Three credits.

Mathematics, S. 1.—A rapid review course in Elementary Algebra, 2 credits.

Mathematics, S. 2.—A rapid review course in Intermediate Algebra, 2 credits.

Mathematics, S. 3.—Intermediate Algebra, 2 credits.

Mathematics, S. 4.—Plane Geometry. A rapid review course, 2 credits.

Mathematics, S. 5.—Plane Geometry, 2 credits.

Mathematics, S. 6.—Trigonometry, 2 credits.

MECHANICAL DRAWING

Mechanical Drawing; Descriptive Geometry.—Hours to be arranged with the professor.

The following course is a most desirable one for B. S. students and those preparing for Technical Institutes. It embraces a knowledge of the elements of mechanical drawing and descriptive geometry and their application. The course requires three years for its completion. The subjects treated are:

1 Year: Use and Care of Instruments, Applied Geometry, Lettering, Orthographical Projection, Developed Surfaces and Intersections, Pictorial Representation, Working Drawings.

2 Year: Descriptive Geometry, Technical Sketching, Map and Topographical Drawing, Duplication and Drawing for Reproduction, Notes on Commercial Practice, Elements of Machine Design.

3 Year: Principles of Applied Mechanics, Structural Drawing, Drafting-room Practice in Plane and Topographical Surveying.

Text and Reference Books: Engineering Drawing, French; Descriptive Geometry, Blassing and Darling; Plane Surveying, Phillips; Mechanism, Dunkerley.

MUSIC

Normal Courses in School Music

Music, S. 1.—Vocalizing: Placing voice; Syllable Noo. **Sight Reading:** In Numbers. Staff introduced, 1 position. **Ear Training:** Phrases or 4 or 5 tones. Very simple, major. **Rhythm:** 2/4 and 3/4 time; One note to a beat. **Harmony:** Major Scale; Tonic chord with inversions. Dominant chord with inversions. **Musical Form:** Phrases, Repetitions, imitation (elementary). **Composition:** Tendencies of tones in major scale; Phrases by children; Improvisation. **Pedagogy:** How to interest a child of six years in music.

Development of creative impulse. How to adapt this method to students of all ages. Two hours per day; 2 credits.

Music, S. 2.—Vocalizing: Preparation for all vowels. **Sight Reading:** Numbers and staff, C Clef. Three positions. **Ear Training:** Phrases of 5 or 6 tones, Major and Minor. Longer phrases if combinations are obvious: **Rhythm:** 2/4, 3/4, 4/4 time; Divided beat; Rests. Syncopations. **Harmony:** 3 major chords freely used. Minor scale (relative). Minor tonic chord and dominant chord. Intervals: Thirds, fourths, fifths, prepared. **Musical Form:** Melodies; Contrasts and likenesses. Sequences, etc., simple. **Composition:** Tendencies of tones in minor scale. Musical conversations. Composition of melodies. **Pedagogy:** How to interest a child of seven years in music.

Development of creative impulse. How to adapt this method to students of all ages. Two hours per day; 2 credits.

PHILOSOPHY

1. Formal Logic or Dialectics.—One term, three hours a week.

Nature of Logic. Function and Value of Logic. Intellectual Perception; division of ideas and terms. Definition and division. Nature of judgment; judgment and proposition. Division of judgments and propositions. Proportion and its elements; types of judgment; negation. The reasoning process. Different forms and kinds of argumentation. Inference, its nature; what it implies concerning experience; method and inference; inference

and system; deductive inferences; analysis and synthesis. Deduction, kinds and their values; syllogism and its laws and form. Rules of the simple categorical syllogism, conditional and disjunctive syllogism; dilemmas and fallacies. Induction; canons of induction; fallacies of induction.

2. **Applied Logic. Logical Truth and Certainty.**—One term, three hours a week.

Human certainty vindicated against skeptics. The three fundamental truths.

The sources of certainty: experience, internal (consciousness) and external (outer senses); Testimony of the senses. Perception and the interpretation of Sensation. Illusion and hallucinations. Historical testimony. Refutation of cosmic idealism. Nature and value of universal ideas. Concept, its nature and processes involved; function in the process of thinking. Reasoning as a means of knowledge. Induction and its basis. Objective evidence, the universal criterion of truth. False criteria. Necessity and freedom of assent.

3. **General Metaphysics, Ontology.**—One term, three hours a week.

The concept of being Analogy of being. Negation of being. The first principles derived from being. Essence and existence. Knowledge of essence possible. Possibility, intrinsic and extrinsic; the ultimate source of each. Attributes of being; Unity, truth, goodness.

The concepts of substance and accident; their division. Hypostasis and person. Quantity, quality, relation.

Principle and cause: divisions of cause; the principle of causality. Perfection of being. The finite and the infinite; the necessary and contingent. Order and beauty.

4. **Cosmology.**—One term, three hours a week.

Origin of the world. Materialism, Pantheism, Creation and age of the world. The laws of nature. Miracles. Constitution of bodies. The dynamic, atomic and hylomorphic theories compared.

5. **Psychology.**—One term, three hours a week.

(a) Empirical Psychology: Sensuous life. Nature of sensation. Properties of sensation, quality, intensity, duration. Physical, physiological, psychical changes in sensation. Cognitive character of sensation. Sensation and perception. Refutation of physiological idealism. Scholastic doctrine of sense

perception. Development of sense perception. Education of the senses. Imagination. Memory. Sensuous appetency and movement.

(b) Rational Psychology: The human intellect; essentially different from sense; its spiritual nature; its operations. Origin of ideas; erroneous theories; scholastic doctrine. Judgment and reasoning. Attention and apperception. Development of intellectual cognition. Growth of the knowledge of self; unity, continuity, discontinuity of consciousness. Genesis of the ideas of substance, accident, cause, the infinite, pace, time.—Rational appetency. Habit. Character. Free-will and determinism. Emotions.—Nature of the human soul; its substantiality, simplicity and spirituality. Unicity of the soul. Immortality of the soul. Soul and body.

6. **Natural Theology.**—One term, three hours a week.

The existence of God demonstrated. Atheism.

The essence of God. His infinite perfection, simplicity, unity. Pantheism refuted. God's immutability, immensity, eternity.

The divine intellect and the divine will. The moral attributes of God. The power and providence of God. (For reference, Boedder's Theologia Naturalis.)

7. **Ethics.**—One year, three hours a week.

I. General Ethics: The moral agent and the moral act. The ultimate end of man. Refutation of Hedonism and Utilitarianism. The end of the present life.

Difference between moral good and evil. The true norm of morality; false theories. Virtue and vice; merit and demerit.

The natural law; its existence, its properties, its sanction. Refutation of Kant's categorical imperative. Positive law based on the natural law. Properties of positive law.

Conscience: its binding force; rules governing it. Rights; nature and division of rights; subject of rights.

II. Applied Ethics: (a) Individual rights and duties; to God, necessity of religion; to self, immortality of suicide; to others, charity and justice.

The right of freedom of conscience; of free self-culture; of self-defense.

(b) Right of private property. Modes of acquiring property. Communism. Socialism.

Sociology.—Society in general; nature and constituent elements of society; social activity.

(a) The Family: Divine institution, unity and indissolubility of marriage. Necessity of marriage—celibacy. Rights of duties of husband and wife. Emancipation of woman. The marriage contract; to what authority it is subject. Nature of parental society. The right and duty of parents to educate their children.

(b) Relation between master and servant. Slavery.

(c) The State: Origin of the State. False theories of Hobbes and Rousseau. The State, an institution of nature. Civil authority, not from the consent of men or a civil contract, but from God, the author of nature. The judicial relations which constitute the State established by the law of nature. The triple contract of Puffendorf.

The object of the State, not merely protection of righs, but the provision of all the means and conditions necessary for the perfect temporal well-being of all its citizens as far as they are not obtainable by private activity. State absolutism, absurd and immoral.

Families, the units of the State. Political equality of woman.

Municipalities. Classes. Estates.

The territory. Eminent domain.

Nature and essential properties of civil authority. The original subject in which it is vested. The different forms of government; their respective advantages and disadvantages. Constitutional and representative polity.

The limits of civil power. Duties and rights of the State with regard to moral and intellectual well-being. Public morality and religion. Relation between Church and State. Religious liberty. Rights of the State to educate, indirect and subsidiary only. The school question. Compulsory attendance at school.

Liberty of the press. Liberalism.

Duties and rights of the State with regard to material prosperity.

Legislative powers—duties of legislators; qualities of law. Administrative power—duties of civil officers. Judicial power—object of punishment; capital punishment.

Acquisition of civil power, legitimate and illegitimate. Usurpation—prescription of usurped power. Despotism of rulers and changes of governments. Resistance to civil authority.

(d) International Law: Existence of a natural international law; private and public. Particular rights and duties contained in it. Intervention. International treaties. Concordats. War—Defensive and aggressive; conditions of its lawfulness. Nationalities—the family of nations. (Cathrein's Philosophia Moralis.)

(e) Special Questions: The social question. The social question and political economy. The social question and natural law. The social question and the State. Liberalism. Socialism. Single Tax. Social question and the Church. Christian democracy. Charitable institutions under the guidance of the Church. Christian trade unions. Catholic benevolent associations.

NOTE.—In all the courses of Philosophy mentioned above, credit is given for three hours a week. The students of the A. B. division spend about three hours more every week in philosophical disputations, discussions, quizzes and repetitions.

Philosophy E 1.—Course in Rational Psychology, with special reference to Educational Psychology. Tuesday and Thursday, 4:30-5:45. Three credit hours each term.

Social Science E 1.—Applied Sociology. The Economic Life. Capital and Labor. Standard of Living. Destitution. Economic Remedies. Trade Unions. Co-operation, Profit-Sharing, Minimum Wage. Socialism, Syndicalism. The growth of population. Eugenics. Birth control. Family and Marriage. Divorce. The child. Feminism. Recreation. Education and Religion. Tuesday and Thursday, 7:30-8:45. Three credits each term.

Philosophy, S. 1.—Logical Truth and Certainty. The Sources of Certainty. Idealism. Nature and value of universal ideas. Reasoning as a means of knowledge. Induction. Criterion of truth. 2 credits.

Philosophy, S. 2.—A course in some special questions in Ethics, 2 credits.

PHYSICS

Physics I.—(a) Lectures and recitations, two hours per week. Required in Sophomore Arts, Freshman Science and Premedical I.

A general course in the fundamentals of physics, comprising treatises on the mechanics of solids, the mechanics of fluids and wave motion. This course is intended to supply the ground work on which the subjects of sound, light, heat, magnetism and electricity are built up in the second year. A scientific method of thought is inculcated in the lectures, and precision of concept and expression are demanded in the recitation. The treatment of the matter is mathematical when branches no higher than trigonometry and analytical geometry are required by the problems. Lecture notes must be presented for approval each month.

Physics I.—(b) Laboratory, two hours per week. Required of Freshman Science.

A course complementary to Physics I (a), in which the theories and laws presented in the lectures are subjected to experiment. The work is, of course, quantitative and a numerical measure of the student's accuracy is required in each experiment. Much of the first term is taken up with measurements of the more simple types and with practice in the use of precision instruments such as the micrometer caliper, the micrometer microscope, optical lever, cathetometer, analytical balance, etc., while throughout the year the experimental work follows closely upon the lecture work. A few lectures are given in the beginning of the year on precision measurements. Special form reports are required for every experiment and in these careful records and accurate reduction of data are closely scrutinized.

The work includes such problems as the measurement of "g" by the falling fork method, the Kater pendulum, demonstration of the laws of the composition and resolution of forces, tests on the modulus of elasticity in tension, torsion and flexure, determination of specific gravity by various methods, comparison of viscosities, cohesion and surface tension of liquids, etc.

Physics II.—(a) Lectures and recitations, three hours per week. Required in Junior Arts, Sophomore Science and Premedical II.

Sound, Light, Heat and Electricity are treated in this course with the same aims as those stated for Physics I (a). The lectures are visualized as much as possible by demonstration, lantern slide and motion picture, an unusually complete cabinet,

a new cinematograph of the most modern type and a departmental motor generator set supplying all the necessary apparatus and power. In accord with the object of the B. S. course, the subject matter is treated from the viewpoint of pure science rather than of applied science, leaving the more technical phases to later specialized study.

Lecture notes must be presented for approval each month.

Physics II.—(b) Laboratory, four hours per week. Required in Sophomore Science.

This course has the same relation to Physics II (a) as Physics I (b) has to Physics I (a). The aims and the methods are the same, thus providing a complete, consistent course in experimental Physics.

Practically all the apparatus for this course has been installed during the present year, thus providing the student with the most modern facilities and giving him the opportunity of studying the latest methods in physical measurements in the branches of sound, light, heat and electricity. Special form reports are required for each experiment. Clear precise records together with accurate reduction of data are the chief requisites for approval.

Physics II.—(c) Laboratory, four hours per week. Required of Junior Arts and Premedical II.

This course is a compendium of Physics I (b) and Physics II (b) comprising all the more fundamental and the more important experiments of both. The same methods are pursued aiming, however, at a general knowledge of physics measurement and providing opportunities for a shorter training in manipulation and quantitative study of physical phenomena.

Physics III.—Laboratory, five hours per week. Required of Junior Science.

For a deeper study of physical phenomena and a more detailed course in modern methods, including many of those now in use in commercial testing laboratories Physics III is offered. Light, Heat and Electrical measurements are chiefly insisted on, although a few determinations in the province of Mechanics and Sound are also presented.

Members of this course are not given in Physics I (b), or Physics 2 (c). The student is required to apply his previous knowledge and is initiated into research methods.

Physics E I.—General Course in Mechanics and Physics. Three credits each term.

Section I.—4:45-6:00, Monday and Wednesday.

Section II.—7:30-8:45, Wednesday and Friday.

Section III.—1:30-3:45, Saturday.

Physics E II.—Laboratory Physics. One or two credits each term. By appointment daily, 4-6 and 7:30-9:30.

Physics, S. 1.—General Physics, Part 1. Lectures=30 hours, 2 credits.

Physics, S. 2.—General Physics, Part 1. Laboratory=60 hours, 2 credits.

Physics, S. 3.—General Physics, Part 2. Lectures=30 hours, 2 credits.

Physics, S. 4.—General Physics, Part 2. Laboratory=60 hours, 2 credits.

SPANISH

Spanish I.—Elementary course, 3 hours a week for one year.

Spanish pronunciation, useful vocabulary, conversation and reading. The essentials of grammar taught inductively, with drill on important matters. Ability to converse and think in Spanish the main aim.

Spanish II.—Advanced Spanish grammar, reading and composition, 3 hours per week for one term.

Reading of selected Spanish texts for appreciation and as a basis for themes and discussions with systematic study of Spanish grammar.

Spanish III.—Commercial Spanish, 3 hours per week for one term.

The Spanish of commerce, its vocabulary, forms and usages. Spanish commercial correspondence and business practice.

Spanish, S. 1.—Elementary. 2 credits.

Spanish, S. 2.—Intermediate. 2 credits.

Spanish, S. 3.—Advanced. 2 credits.

Fiftieth Annual Commencement
of
Canisius College
College Lawn, Thursday Afternoon, June 17, 1920
at 3:30 o'clock

PROGRAM

The Right Rev. William Turner, D. D.,
Presiding

I

Processional—Canisius College March.....*C. Mischka*

Overture—Reine d'Automne.....*C. Bigge*

Class Poem:
JOHN FLEMING DEVINE

Bachelors' Orations:
"Our Attitude Toward State Monopoly in Education"
FRANCIS CLOSSEY MCGUIRE

"The True American School System"
EDWARD LOUIS ZIMPFER

Master's Oration:
"Freedom of Education"
SEBASTIAN J. NAPLES, A. B.

Intermezzo—Pierrot et Pierrette.....*J. Burgmein*

II

Conferring of Degrees:
REV. M. J. AHERN, S. J., President of Canisius College

Valedictory:
LEO ANDREW SWEENEY

Address to Graduates:
LAWRENCE J. COLLINS, A. M., LL. B., LL. D.

Recessional—March from "Aida".....*Verdi*

Music by Canisius College String Quartette
REV. JOHN G. HACKER, S. J., Director

CLASS OF 1920
ORGANIZATION

President.....Leo Andrew Sweeney
Vice-President.....Francis Thomas Carbone
Treasurer.....Francis Joseph Killeen
Secretary.....John Fleming Devine

DEGREES CONFERRED

Bachelor of Arts

Francis T. Carbone
Matthew A. Cullen
John F. Devine
Francis J. Killeen
John W. Kohl
Alexander A. Kreciszewski (cum laude)
David B. Lockner (cum laude)
Edward P. Logel
Francis C. McGuire (Magna cum laude)
Nelson M. Mercer (cum laude)
Edward L. Roche
Nicholas J. Schmitt
William J. Smith
Edward L. Zimpfer (Summa cum laude)

Bachelor of Science

William E. Benzinger
Edward A. Brien
Eugene M. Burke
Raymond C. Lenahan
Austin C. McTigue
Leo A. Sweeney (cum laude)

Master of Arts

Eugene J. Finnegan
B. S. Georgetown University
Kevin Killeen
B. A. Canisius
Eugene L. Klocke
B. S. Canisius
Sebastian J. Naples
B. A. Canisius
Dion Rahill
B. A. Canisius
Edward M. Sheehan
B. A. Canisius

Miss Edna Carmody
B. A. D'Youville
Miss Helene Chabot
B. A. D'Youville
Miss Isabel M. Kelly
B. A. Trinity College
Miss Mary Maxwell
B. A. D'Youville

Master of Sciences

Louis F. McLean
B. S. Canisius
Carl Sturmer
B. S. Canisius

Honorary Degrees

Rt. Rev. Msgr. Nelson H. Baker, LL. D., Vicar General
Degree of Doctor of Laws

Paul J. Mallman, M. Sc.
Degree of Doctor of Science

Henry A. Lappin, B. A.
Degree of Doctor of Literature

FELLOWS, 1920-1921

The John A. Miller Fellowship in Chemistry ...NELSON MERCER, B. A.

The Victory Fellowship in Chemistry.....LEO A. SWEENEY, B. S.

The Canisius Fellowship in Physics.....
.....NICHOLAS SCHMITT, B. A.; AUSTIN McTIGUE, B. S.

The Canisius Fellowship in Biology.....Not Awarded

AWARD OF HONORS

The St. Thomas Aquinas Medal, gift in memory of the late Rev. Christopher O'Byrne, was awarded to Edward L. Zimpfer.

The St. Ann's Medal, gift of the Jesuit Fathers of St. Ann's Church, was awarded to J. Donald McGuire.

The St. Aloysius Medal was awarded to John L. Neubert.

The Father Wassman Medal was awarded to Norman Metz.

Twenty Dollars in Gold for the best essay Literary Essay—subject, "Poetry and Life"—was awarded to J. Donald McGuire.

Twenty Dollars in Gold for the best essay in History—subject, "The Central Position of Rome"—was awarded to Edward S. Schwegler.

Twenty Dollars in Gold for the best essay in Physics—subject, "Liquefaction of Gases"—was awarded to Harry L. Stievater.

Twenty Dollars in Gold, the gift of Mrs. Mary Boland, for the best essay in Chemistry—subject, "Fixation of the Nitrogen Atom"—was awarded to Otto Willax.

Twenty Dollars in Gold for the best essay in Biology—subject, "The Influenza Pandemic of 1918"—was awarded to Russell Lewis.

Class Medals were awarded as follows: Sophomore Arts, Walter J. Gruber; Sophomore Science, Harry L. Stievater; Freshman Arts, Edward S. Schwegler.

Commencement Exercises

of the

Canisius College

At the Buffalo Academy of the Sacred Heart

Sunday, June 6, at 3 P. M.

Courses for Teachers

Program

Overture ..... *Piel*

Address by Rev, M. J. Ahern, S. J.....President of Canisius College

Larghetto ..... *Fauconier*

Conferring of Degrees:

DEGREES CONFERRED

Bachelor of Arts

Sister M. Cyrilla
Sister M. Felicia
Sister M. Leo
Sister M. Lima
Sister M. Scholastica

Bachelor of Science

Sister M. Evangelista
Sister M. Hedwig

TIME SCHEDULE

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8.45	Philosophy (B. A.) Physics I Latin	Astronomy Physics II Lecture Gen. Chem. Lecture	Philosophy (B. A.) Physics I Lecture Latin	Astronomy Gen. Chemistry Lecture Latin	Philosophy (B. A.) Latin Mathematics (Fresh.)	Astronomy Gen. Chemistry Lecture Latin
9.35	Philosophy (B. S.) Biology III (Lecture)	Mathematics (Fresh.)	Philosophy (B. S.) Biology III Lecture	Physics II Lecture	Philosophy (B. S.)	Physics II Lecture
9.40	Philosophy (B. A.) Latin Greek Quan. Anal.	Philosophy (B. A.) Latin History Philosophy (B. S.)	Philosophy (B. A.) Latin Greek Quan. Anal.	Philosophy (B. A.) Latin English Philosophy (B. S.)	Philosophy (B. A.) Greek Mathematics (Fresh.) Philosophy (B. S.)	Philosophy (B. A.) Greek Chemistry Lab. Physics II Lab.
10.30	Mathematics Physics Lab. II.	English	Mathematics (Fresh.) Biology II Lab. Physics II Lab.	Mathematics (Fresh.) Biology I Lab.	English	
10.45	Greek Mathematics (Fresh.) Physics I Lab. Organic Lecture	History Latin Organic Lecture Gen. Chemistry Lab.	History Philosophy Greek Mathematics (Fresh.) Quan. Anal.	Evidences History Biology I Lab. Physics II Lab.	History Latin English Organic Lecture	Evidences English Chemistry Lab. Phyiscs II Lab.
11.35	Quan. Anal. English	Mech. Drawing II	Physics II Lab. English Biology II Lab.		Mech. Drawing II	
11.40	Latin Evidences English	Greek English Gen. Chemistry Lab.	English Evidences Mathematics II	English Debate Mathematics II	History Philosophy English Physics III Lecture	Debate
12.30	Mathematics II Biology I Lecture	Mathematics II Biology II Lecture	Biology II Lab.	Biology I Lab. Physics II Lab.	Mod. Language II	
12.55	Mod. Language I	Mod. Language II	Mod. Language I	Mod. Language II	Modern Language I Qual. Anal.	
1.40	Qual. Anal.				Biology II Lecture	
1.45	Organic Lab. Qual. Anal. Physics I Lab.	Physics III Lab. Biology III Lab. Chemistry Lab. (Elective)	Physics II Lab. Biology I Lecture	Biology III Lab. Gen. Chemistry Lab. Organic Lab.	Physics II Lab. Quan. Anal. Qual. Anal.	
3.45	Biology I Lab.	Mechanical Drawing I		Physics III Lab.	Biology II Lab.	

ALPHABETICAL LIST OF REGULAR STUDENTS

Adolf, Clemens William.....69 Aurora St., Lancaster, N. Y.
Adolf, Elmer Arthur.....45 West Main St., Lancaster, N. Y.
Antkowiak, Adalbert Stanley.....51 Schutrum St., Buffalo, N. Y.

Bach, Joseph Anthony.....76 Livingston St., Lancaster, N. Y.
Barden, John Joseph.....397 Broadway, Lowell, Mass
Barr, William Andrew.....1366 Broadway, Buffalo, N. Y.
Barrett, John Joseph.....516 N. Division St., Buffalo, N. Y.
Beanan, Francis James.....365 Bird Ave., Buffalo, N. Y.
Beirne, Francis Xavier.....348 Porter Ave., Buffalo, N. Y.
Bindeman, August Hart.....116 Oxford Ave., Buffalo, N. Y.
Birmingham, James Francis.....428 E. Eagle St., Buffalo, N. Y.
Boehm, Alfred Martin.....448 Crescent Ave., Buffalo, N. Y.
Bogan, Robert James.....33 Stafford Ave., Waterville, N. Y.
Boland, George B.....490 Elk St., Buffalo, N. Y.
Boone, Daniel K.....34 Roanoke Pkwy, Buffalo, N. Y.
Borkowski, Ansley Bernard.....72 Woltz Ave., Buffalo, N. Y.
Boroszewski, John Peter.....960 Fillmore Ave., Buffalo, N. Y.
Bowen, Cornelius Joseph.....1579 Jefferson Ave., Buffalo, N. Y.
Boyd, Joseph Francis.....348 Porter Ave., Buffalo, N. Y.
Brace, William Henry.....247 East St., Buffalo, N. Y.
Brady, Francis.....2800 Main St., Buffalo, N. Y.
Brennan, James Francis.....31 Hayden St., Buffalo, N. Y.
Briehl, Martin Joseph.....121 E. Main St., Bellevue, Ohio
Britt, Daniel Benjamin.....78 Eaglewood Ave., Buffalo, N. Y.
Broderick, Joseph Vincent.....573 Plymouth Ave., Buffalo, N. Y.
Brosig, Charles C.....2001 Main St., Buffalo, N. Y.
Brzezicki, John M.....1138 Walden Ave., Buffalo, N. Y.
Buchheit, Rudolph George.....167 Indian Church Rd., Buffalo, N. Y.
Burke, Raymond Joseph.....147 Good Ave., Buffalo, N. Y.
Burns, George Henry.....619 Eagle St., Dunkirk, N. Y.
Burns, Henry Donovan.....117 W. Humboldt Pkwy., Buffalo, N. Y.
Burns, Robert Michael.....619 Eagle St., Dunkirk, N. Y.

Cain, Stephen Patrick.....117 May St., Buffalo, N. Y.
Callanan, Matthew Joseph.....1727 Main St., Buffalo, N. Y.
Campana, Humbert John.....179 Woodlawn Ave., Buffalo, N. Y.
Candee, Dean Joseph.....594 South Park Ave., Buffalo, N. Y.
Canty, Edward Maurice.....266 Lafayette Ave., Buffalo, N. Y.
Carlo, John.....108 Baraga St., Buffalo, N. Y.
Carr, Joseph Vincent.....605 West Ferry St., Buffalo, N. Y.
Clancy, Gerald Eugene.....116 Maple St., Hornell, N. Y.
Clarke, George Joseph.....237 East Queen St., Toronto, Canada
Cleary, Thomas Raymond.....22 Kentucky St., Buffalo, N. Y.
Cogan, John Francis.....37 Red Jacket Pkwy, Buffalo, N. Y.
Collins, Cornelius Celestine.....48 Kenefick Ave., Buffalo, N. Y.
Constantino, Jacob George.....3 Damonsville St., Mt. Morris, N. Y.
Costich, Charles Joseph.....251 Hayward Ave., Rochester, N. Y.
Courtney, William Joseph.....227 Geary St., Buffalo, N. Y.
Cowley, Edward Paul.....165 Lockwood Ave., Buffalo, N. Y.
Cowley, John Louis.....165 Lockwood Ave., Buffalo, N. Y.
Criden, Frank M.....151 Madison St., Buffalo, N. Y.
Crowley, Francis Edward.....58 Kamper Ave., Buffalo, N. Y.
Cuddihy, Edwin Michael.....396 North Division St., Buffalo, N. Y.
Cullen, William James.....400 19th St., Watervliet, N. Y.
Culliton, Edward Charles.....2079 Main St., Buffalo, N. Y.
Czysz, Frank Thomas.....348 Townsend St., Dunkirk, N. Y.

Dady, James Thomas.....432 Hoyt St., Buffalo, N. Y.
Dahlstrom, Eric Paul.....231 Niagara St., Buffalo, N. Y.
Darley, William Thomas.....348 Porter Ave., Buffalo, N. Y.
Dietrich, William Augustus.....Middleport, N. Y.
Di James, Daniel Joseph.....801 Prospect Ave., Buffalo, N. Y.
Doll, Clarence W.....1061 Ellicott St., Buffalo, N. Y.
Dooley, Francis Michael.....1192 Main St., Buffalo, N. Y.
Doran, Robert Kerwin.....148 Allen St., Buffalo, N. Y.
Dunklin, Howard Thomas.....West Falls, N. Y.
Dzimian, Walter Florian.....827 Fillmore Ave., Buffalo, N. Y.

Edel, Ervin Bernard.....721 North State St., Olean, N. Y.
Espenscheid, Arthur Adam.....16 E. Main St., Hamburg, N. Y.
Eustace, Charles G.....320 East St., Buffalo, N. Y.
Evans, George Joseph.....268 Ohio St., Buffalo, N. Y.

Farrell, Leo George.....29 Sage Ave., Buffalo, N. Y.
Fayette, William .....Buffalo, N. Y.
Fiden, William John.....340 Wyoming Ave., Buffalo, N. Y.
Flood, Leo.....Gorham, N. Y.
Flynn, Bernard Joseph.....357 Humboldt Pkwy., Buffalo, N. Y.
Flynn, Eugene Francis.....188 Claremont Ave., Buffalo, N. Y.
Frankenberger, Florian Joseph.....127 Herman St., Buffalo, N. Y.
Frankenberger, Lawrence Michael.....127 Herman St., Buffalo, N. Y.
Frey, Emil Alphonse.....136 Riley St., Buffalo, N. Y.
Friel, Mark Edward.....Ellicottville, N. Y.

Gampp, Charles George.....70 Rich St., Buffalo, N. Y.
Garvey, Ronald Francis.....21 Maywood Ave., Buffalo, N. Y.
Gaul, Osmond William.....263 East Ave., Lockport, N. Y.
Gentner, Daniel Frank.....40 Lisbon Ave., Buffalo, N. Y.
Gentsch, John Francis.....102 Northampton St., Buffalo, N. Y.
George, Edward A.....82 Wohlers Ave., Buffalo, N. Y.
Georges, Charles Irving.....988 Lafayette Ave., Buffalo, N. Y.
Gerace, Louis Anthony.....9 Hyde Park, Batavia, N. Y.
Gettings, Joseph Roland.....38 School St., Lancaster, N. Y.
Gibbons, Edward H.....1599 Jefferson Ave., Buffalo, N. Y.
Gibbons, William Joseph.....120 Sidway St., Buffalo, N. Y.
Glass, James Edward.....145 Hughes Ave., Buffalo, N. Y.
Gleason, Howard John.....406 Glenwood Ave., Buffalo, N. Y.
Glucksman, Erwin.....405 Franklin St., Buffalo, N. Y.
Gordon, Raymond Joseph.....438 Hoyt St., Buffalo, N. Y.
Graf, Harold John.....83 South Ave., Lockport, N. Y.
Griffin, William James.....34 Heward Ave., Buffalo, N. Y.
Gullo, Charles.....283 Seventh St., Buffalo, N. Y.

Haley, Francis Lambert.....328 Fifteenth St., Buffalo, N. Y.
Hambleton, Herbert James.....73 La Force Pl., Buffalo, N. Y.
Hassett, William Dennis.....119 Oxford Ave., Buffalo, N. Y.
Hayes, Thomas James.....77 Broad St., Tonawanda, N. Y.
Healy, Vincent N.....215 Bird Ave., Buffalo, N. Y.
Heimerle, Herbert Benedict.....96 Strathmore Ave., Buffalo, N. Y.
Hendricks, Ezra Paul.....222 Baynes St., Buffalo, N. Y.
Hendricks, Francis Potter.....222 Baynes St., Buffalo, N. Y.
Hillery, William Joseph.....38 Sage Ave., Buffalo, N. Y.
Hoar, James Edward.....122 Sidway St., Buffalo, N. Y.
Hoffmeyer, Norbert Charles.....282 Dearborn St., Buffalo, N. Y.
Hohorst, Albert William.....754 Broadway, Buffalo, N. Y.
Holbel, Sylvester Joseph.....7 Guernsey St , Buffalo, N. Y.
Horrigan, James Francis.....241 O'Connell Ave., Buffalo, N. Y.

Jones, Thomas Joseph.....450 Fargo Ave., Buffalo, N. Y.
Jordan, James Patrick.....7 Second Ave., North Tonawanda, N. Y.
Joyce, Leo A.....448 Victory Ave., Lackawanna, N. Y.

Kaminski, Leo A.....54 Kosciuszko St., Buffalo, N. Y.
Kane, Edmund E.....32 Buell Ave., Buffalo, N. Y.
Kelly, John E.....98 Barton St., Buffalo, N. Y.
Kinn, Leo Michael.....55 East Third St., Dunkirk, N. Y.
Kinsella, Edward Patrick.....273 Sumner Pl., Buffalo, N. Y.
Kleis, Earl Milford.....102 Triangle St., Buffalo, N. Y.
Klocke, Joseph Frederick.....151 Eaton St., Buffalo, N. Y.
Koch, George Aloysius.....17 Crescent Ave., Buffalo, N. Y.
Koessler, John Walter.....45 Fifteenth St., Buffalo, N. Y.
Kopec, Joseph Stanislaus.....111 Metcalfe St., Buffalo, N. Y.
Kuch, Norbert William.....27 Oneida St., Buffalo, N. Y.

Landers, John Joseph.....158 Trowbridge St., Buffalo, N. Y.
Leary, John Francis.....348 Porter Ave., Buffalo, N. Y.
Lee, Edwin Stanley.....602 Grant St., Buffalo, N. Y.
Lewandowski, Edward Joseph.....24 Ericson Ave., Buffalo, N. Y.
Littlefield, Martin Joseph.....21 Lythe Ave., Buffalo, N. Y.
Lo Monaco, Angelo Paul.....1067 Genesee St., Buffalo, N. Y.
Loughlin, James Vincent.....151 High St., Bristol, Conn.
Lutz, Joseph P.....Forks, N. Y.

McCabe, Homer Michael.....170 Vermont St., Buffalo, N. Y.
McCarthy, Ignatius.....141 Kentucky St., Buffalo, N. Y.
McConvey, William A.....141 Livingston St., Buffalo, N. Y.
McCormick, Joseph J.....11 Harlow Place, Buffalo, N. Y.
McDonough, Charles Joseph.....2194 Main St., Buffalo, N. Y.
McGrath, John B.....323 Ferry Ave., Niagara Falls, N. Y.
McInnis, Francis Xavier.....348 Porter Ave., Buffalo, N. Y.
McKay, William Francis.....348 Porter Ave., Buffalo, N. Y.
McKenna, Francis William.....138 Adams St., Buffalo, N. Y.
McMahon, Gerald Anthony.....161 Chester St., Buffalo, N. Y.
McMahon, John Joseph.....110 Alabama St., Buffalo, N. Y.
McNally, William D.....31 Carlton St., Buffalo, N. Y.
Madigan, Edward S.....508 Niagara St., Buffalo, N. Y.
Magrum, Gervase Michael.....Snyder, N. Y.
Mahoney, Edward Loyola.....11 Blaine Ave., Buffalo, N. Y.
Manning, Leo James.....363 West Ave., Buffalo, N. Y.
Marquis, George F.....499 Glenwood Ave., Buffalo, N. Y.
Martina, Charles F.....91 Trenton Ave., Buffalo, N. Y.
May, Raymond Francis.....East Main St., Lancaster, N. Y.
Mead, Arnold Boniface.....318 Landon St., Buffalo, N. Y.
Mescall, Joseph E.....301 Ridge Rd., Lackawanna, N. Y.
Metz, Norman Edward.....50 Horton Pl., Buffalo, N. Y.
Meyers, Edward M.....304 Tenth St., Niagara Falls, N. Y.
Meyers, Leo Joseph.....102 Mang Ave., Kenmore, N. Y.
Missert, Alfred Francis.....137 Mariner St., Buffalo, N. Y.
Monczynski, Walter S.....2402 Bailey Ave., Buffalo, N. Y.
Moore, Francis.....31 Ericson Ave., Buffalo, N. Y.
Moran, James Howard.....227 Church St., Lockport, N. Y.
Mowitz, Alfred.....195 Franklin St., Tonawanda, N. Y.
Mullen, Joseph Robert.....111 Miller St., North Tonawanda, N. Y.
Murphy, Clarence F .....Varysburg, N. Y.
Murphy, Harold.....385 Plymouth Ave., Buffalo, N. Y.
Murphy, Patrick Cornelius.....348 Porter Ave., Buffalo, N. Y.
Murphy, Robert C.....22 Petrie St., Little Falls, N. Y.

Nadolny, Chester John.....1050 Walden Ave., Buffalo, N. Y.
Naples, John Dominick.....116 Lafayette Ave., Buffalo, N. Y.
Neubert, John Louis.....211 Genesee St., Buffalo, N. Y.
Neupert, David Laurence.....31 E. North St., Buffalo, N. Y.
Nowak, Joseph Francis.....1255 Broadway, Buffalo, N. Y.

O'Brien, Edward William.....Fredonia, N. Y.
O'Brien, Francis Anthony.....348 Porter Ave., Buffalo, N. Y.
O'Brien, Joseph P.....71 Aldrich Ave., Buffalo, N. Y.
O'Brien, Neil J.....249 Lexington Ave., Rochester, N. Y.
O'Connell, William James.....Lima, N. Y.
O'Connor, Carlton P.....387 Plymouth Ave., Buffalo, N. Y.
O'Connor, Edwin George.....429 Forest Ave., Buffalo, N. Y.
O'Hare, John Joseph.....50 Orton Pl., Buffalo, N. Y.
Olstowski, Joseph Gabriel.....20 Empire St., Buffalo, N. Y.
O'Shaughnessey, William J.....Middleport, N. Y.
Over, Myron Charles.....20 E. Drullard Ave., Lancaster, N. Y.

Paris, Russell Horace.....118 Norwood Ave., Buffalo, N. Y.
Partika, Henry Joseph.....88 Reed St., Buffalo, N. Y.
Pauly, Edward Anthony.....158 E. Main St., Hamburg, N. Y.
Phillips, Martin George.....159 Russell Ave., Buffalo, N. Y.
Pingitore, Louis A.....211 Rhode Island St., Buffalo, N. Y.
Pitass, John Francis.....485 Fillmore Ave., Buffalo, N. Y.
Pcorten, Henry John.....51 Rich St., Buffalo, N. Y.
Proper, Herbert James.....3 Margaret Place, Batavia, N. Y.

Regan, Arthur J.....17 Florence Ave., Buffalo, N. Y.
Reill, Robert Martin.....53 Sheffield Ave., Buffalo, N. Y.
Rieman, Denis Ferdinand.....36 Seneca Parkside, Buffalo, N. Y.
Riley, Victor John.....179 Hughes Ave., Buffalo, N. Y.
Riordan, Arthur Joseph.....75 Highland Ave., Buffalo, N. Y.
Roach, John McDonough.....Brocton, N. Y.
Rochford, Charles.....718 Hopkins St., Buffalo, N. Y.
Roes, Albert C.....East Aurora, N. Y.
Roller, William Walter.....204 Hamburg St., Buffalo, N. Y.
Romasser, Justin Francis.....26 Prospect Ave., Attica, N. Y.
Ronkowski, Edward Edmund.....31 "B" St., Buffalo, N. Y.
Rose, Werner Joseph.....96 Beverly Rd., Buffalo, N. Y.
Rung, Raymond Francis.....442 Glenwood Ave., Buffalo, N. Y.
Ruskiewicz, Valerian A.....115 Quincy St., Buffalo, N. Y.
Rutecki, Lucian C.....628 Fillmore Ave., Buffalo, N. Y.
Ryan, Edward Dennis.....31 Sheffield Ave., Buffalo, N. Y.
Ryan, Patrick.....190 Waverly St., Buffalo, N. Y.

Schaad, Albert Frank.....763 South Ave., Rochester, N. Y.
Schleich, Stephen Anthony.....2422 Ninth Ave., Watervliet, N. Y.
Schmitt, Aloysius Joseph.....53 Herman St., Buffalo, N. Y.
Schnitman, Sydney.....62 North Elmwood Ave., Buffalo, N. Y.
Schulz, Milton John.....174 Schenck St., North Tonawanda, N. Y.
Schupp, George John.....442 Sherman St., Buffalo, N. Y.
Schwegler, Edward S.....274 Loring Ave., Buffalo, N. Y.
Sczerbacki, Thomas Stephen.....126 East Front St., Dunkirk, N. Y.
Seymour, Francis Joseph.....340 Baynes St., Buffalo, N. Y.
Shanly, James Arlidge.....477 Ridgway Ave., Rochester, N. Y.
Sheehan, John Joseph.....266 Miami St., Buffalo, N. Y.
Sheridan, William R.....114 Connecticut St., Buffalo, N. Y.
Shmulovitz, Benjamin.....153 Madison St., Buffalo, N. Y.
Simmermacher, George A.....1202 West Ave., Buffalo, N. Y.

Smith, Ernest Peter.....7 Blaine Ave., Buffalo, N. Y.
Smith, Maurice William.....348 Porter Ave., Buffalo, N. Y.
Stahrr, Walter John.....16 Rees St., Buffalo, N. Y.
Stevens, Anthony Winfred.....348 Porter Ave., Buffalo, N. Y.
Stievater, Harry J.....923 Humboldt Pkwy, Buffalo, N. Y.
Stievater, Willard C.....923 Humboldt Pkwy., Buffalo, N. Y.
Stokes, Gerald Mark.....100 Norwood Ave., Buffalo, N. Y.
Strot, Henry Joseph.....41 Howard St., Buffalo, N. Y.
Sullivan, Edward Joseph.....412 W Delavan Ave., Buffalo, N. Y.
Sullivan, Eugene Michael....1433 South Park Ave., Lackawann, N. Y.
Sullivan, Joseph Cornelius.....348 Porter Ave., Buffalo, N. Y
Sullivan, Martin N.....56 High St., Lockport, N. Y.
Sullivan, Nelson Patrick....1433 South Park Ave., Lackawanna, N. Y.
Supples, Thomas Vincent.....47 O'Connell Ave., Buffalo, N. Y.
Szafranski, Casimir J.....288 Detroit St., Buffalo, N. Y.
Szutarski, John Joseph.....423 Koons Ave., Buffalo, N. Y.

Talty, Francis P.....28 Oakdale Pl., Buffalo, N. Y.
Taylor, James J.....77 Princeton Pl., Buffalo, N. Y.
Trainor, James Thomas.....20 Park View Ave., Buffalo, N. Y.
Tully, Joseph Leo.....348 Porter Ave., Buffalo, N. Y.

Ulinski, John Anthony.....965 Sycamore St., Buffalo, N. Y.

Volker, Julius Joseph.....39 Erie St., Lancaster, N. Y.

Wagner, George Joseph.....5 Beverly Rd., Buffalo, N. Y.
Ward, Cornelius Francis.....444 South Park Ave., Buffalo, N. Y.
Watt, Leo Lionel.....54 Cass St., Hornell, N. Y.
Weber, Bernard J.....190 Glenwood Ave., Buffalo, N. Y.
Weber, William A.....20 Rich St., Buffalo, N. Y.
Wholey, Timothy Bernard.....348 Porter Ave., Buffalo, N. Y.
Willax, Otto Michael.....1268 Genesee St., Buffalo, N. Y.
Winkler, Edward G.....280 Humboldt Pkwy., Buffalo, N. Y.
Wolf, Hugh Kennedy.....24 St. James Pl., Buffalo, N. Y.

Yeager, Charles Thomas.....334 Pennsylvania St., Buffalo, N. Y.

Catalogue of Students by Classes

Graduate Students

Men

Brien, Edward A., B. S., Canisius
Conlin, Henry, B. A., Canisius
Dawson, Henry, B. A., Yale
Kreciszewski, Alexander, B. A., Canisius
Maynard Doran, B A., Canisius
McTigue, Austin, B. S., Canisius
Mercer, Nelson, B. A., Canisius
O'Rourke, Cornelius, B. A., Canisius
Schmitt, Nicholas, B. A., Canisius
Sweeney, Leo A., B. S., Canisius

Women

Desmond, Helen, B. A., D'Youville
Doohen, Helen, B. A., D'Youville
Howlett, Anna, B. A., D'Youville
Mahoney, Catherine, B. A., D'Youville
Meyer, Florence, B. A., D'Youville
Mulroy, Adelaide, B. A., D'Youville
O'Grady, Winifred, B. S., Columbia

Sister M. Aloysius, B. A., State College for Teachers, Albany
Sister M. Constantia, B. A., Catholic University
Sister Ida Marie, B. A., State College for Teachers, Albany
Sister Immaculata, B. A., Normal College of the City of New York
Sister John Joseph, B. A., State College for Teachers, Albany
Sister Mary Laurence, B. A., Catholic University
Sister M. Leonie, B. A., State College for Teachers, Albany
Sister M. Mechtilda, B. S., State College for Teachers, Albany

UNDERGRADUATE STUDENTS

Senior Class

*Adolf, Clemens W.
*Adolf, Elmer A.
Bach, Joseph A.
*Borkowski, Ansley B.
Brace, William H.
Burke, Raymond J.
Candee, Dean J.
Clarke, George J.
Dunklin, Howard T.
*Edel, Ervin B.
Fayette, Wm.
*Frey, Emil A.
Hassett, William D.
Healy, Vincent H.
Heimerle, Herbert B.
Hoffmeyer, Norbert C.
Kelly, John E.
Littlefield, Martin J.
Mahoney, Edward L.
Manning, Leo J.
*Missert, Alfred F.
Mullen, Joseph R.
*Neubert, John L.
Phillips, Martin G.
Pingitore, Louis A.
*Roes, Albert C.
*Ruskiewicz, Valerian A.
Trainor, James T.
*Weber, Bernard J.

Junior Class

Barden, John J.
Bindeman, August H.
Boroszewski, John P.
*Burns, Robert M.
Cain, Stephen P.
*Dietrich, William A.
Dooley, Francis M.
Evans, George J.
*Friel, Mark E.
Gibbons, William J.
Glass, James E.
Glucksman, Erwin
*Graf, Harold J.
Hendricks, Ezra P.
Hendricks, Francis P.
*Jordan, James P.
Koch, George A.
Koessler, John W.
*McNally, William D.
*Murphy, Harold
O'Brien, Neil J.
O'Connor, Carlton P.
O'Hare, John J.
*Regan, Arthur J.
*Roach, John McD.
Rochford, Charles S.
Romasser, Justin F.
Schupp, George J.
Sheridan, William R.
Smith, Ernest P.
*Stievater, Harry J.
Strot, Henry J.
Sullivan, Edward J.
*Weber, William A.

Sophomore Class

Beanan, Francis J.
Britt, Daniel B.
Brosig, Charles C.
*Brzezicki, John M.
*Campana, Humbert J.
Canty, Edward M.
*Carlo, John
*Clancy, Gerald E.
*Cogan, John F.
*Cowley, Edward P.
Cuddihy, Edwin M.
*Dahlstrom, Eric P.
*Di James, Daniel J.
Doran, Robert K.
*Eustace, Charles G.
Fiden, William J.
*Flynn, Eugene F.
*Garvey, Ronald F.
*Gaul, Osmond W.
Gentsch, John F.
*Georges, Charles I.
*George, Edward A.
*Gettings, Joseph R.
*Gibbons, Edward H.
Gordon, Raymond J.
Griffin, William J.
Haley, Francis L.
*Hayes, Thomas J.
Hoar, James E.
Jones, Thomas J.
*Joyce, Leo A.
Kinsella, Edward P.
Kleis, Earl M.
Kopec, Joseph S.
*Kuch, Norbert W.
*Lee, Edwin S.
*Lewandowski, Edward J.
Lutz, Joseph B.
*McCabe, Homer M.
*McConvey, William A.
McKenna, Francis W.
Magrum, Gervase M.
*Martina, Charles F.
*Mescall, Joseph E.
*Metz, Norman E.
*O'Brien, Edward W.
*O'Shaughnessey, William J.
*Pitass, John F.
*Riley, Victor J.
*Roller, William W.
*Ronkowski, Edward E.
*Rutecki, Lucian C.
*Ryan, Edward D.
*Schleich, Stephen A.
*Schulz, Milton J.
Schwegler, Edward S.
*Simmermacher, George A.
*Stievater, Willard C.
*Szafranski, Casimir J.
*Talty, Francis P.
*Taylor, James J.
*Ulinski, John A.
*Winkler, Edward G.
Wolf, Hugh K.

Freshman Class

*Antkowiak, Adalbert S.
*Barr, William A.
Barrett, John J.
Beirne, Francis X.
*Boehm, Alfred M.
*Bogan, Robert J.

*Boland, George B.
*Boone, Daniel K.
*Bowen, Cornelius J.
Boyd, Joseph F.
*Brady, Francis
Brennan, James F.
*Briehl, Martin J.
Broderick, Joseph V.
Buchheit, Rudolph G.
*Burns, George H.
Burns, Henry D.
Callanan, Matthew J.
*Carr, Joseph V.
Cleary, Thomas R.
*Collins, Cornelius C.
*Constantino, Jacob G.
*Costich, Charles J.
*Courtney, William J.
Cowley, John L.
*Criden, Frank M.
Crowley, Francis E.
*Cullen, William J.
Culliton, Edward C.
*Dady, James T.
Darley, William T.
*Doll, Clarence W.
*Dzimian, Walter F.
*Espenscheid, Arthur A.
*Farrell, Leo G.
*Flood, Leo T.
*Flynn, Bernard J.
Frankenberger, Florian J.
Frankenberger, Lawrence M.
Gampp, Charles G.
*Gentner, Daniel F.
Gerace, Louis A.
Gleason, Howard J.
*Gullo, Charles
*Hambleton, Herbert J.
*Hohorst, Albert W.
Holbel, Sylvester J.
Horrigan, James F.
Kaminski, Leo A.
*Kane, Edmund E.
Kinn, Leo M.
*Klocke, Joseph F.
*Landers, John J.
Leary, John F.
Lo Monaco, Angelo P.
McCarthy, Ignatius
McCormick, Joseph J.
McDonough, Charles J.
*McGrath, John B.
McInnis, Francis X.
McKay, William F.
*McMahon, Gerald A.
*McMahon, John J.
*Madigan, Edward F.
*Marquis, George F.
*May, Raymond F.
Mead, Arnold B.
*Meyers, Edward M.
Meyers, Leo J.
*Monczynski, Walter S.
Moore, Francis E.
Moran, James H.
*Mowitz, Alfred
Murphy, Clarence F.
Murphy, Patrick Cornelius
*Nadolny, Chester J.
Naples, John D.
Neupert, David L.
*Nowak, Joseph F.
O'Brien, Francis A.
*O'Brien, Joseph P.
*O'Connell, William J.
O'Connor, Edwin G.
*Olstowski, Joseph G.
*Over, Myron C.
*Paris, Russell H.
Partika, Henry J.
*Pauly, Edward A.
Poorten, Henry J.
*Proper, Herbert J.
*Reill, Robert M.
Rieman, Denis F.
*Riordan, Arthur J.
*Rose, Werner J.
*Rung, Raymond F.
*Ryan, Patrick
*Schaad, Albert F.
*Schmitt, Aloysius J.
*Schnitman, Sydney
*Sczerbacki, Thomas S.
Seymour, Francis J.
*Shanly, James A.
Sheehan, John J.
*Shmulovitz, Benjamin
Smith, Maurice W.
*Stahrr, Walter J.
Stevens, Anthony W.
Stokes, Gerald M.
*Sullivan, Eugene M.
Sullivan, Joseph C.
*Sullivan, Martin N.
*Sullivan, Nelson P.
*Supples, Thomas V.
*Szutarski, John J.
Tully, Joseph L.
Volker, Julius J.
*Wagner, George J.
*Ward, Cornelius F.
*Watt, Leo L.
Wholey, Timothy B.
*Yeager, Charles T.

Special Students

Birmingham, James F.
Czysz, Frank T.
Hillery, William J.
Loughlin, James V.
Murphy, Robert C.
Willax, Otto M.

* Science Course

SUMMER SCHOOL, 1920

Clergy

Baglio, Rev. Paul A.
Cahill, Rev. Denis J.

Sisters of Saint Benedict, Erie, Pa.

Sister M. Hilda
Sister M. Ignatia

Sisters of Saint Dominic, Odell, Ill.

Sister M. Agatha
Sister M. Gonzales

Felician Sisters of Saint Francis, Buffalo, N. Y.

Sister M. Angela
Sister M. Angelis
Sister M. Anselma
Sister M. Antonette
Sister M. Beatrice
Sister M. Coleta
Sister M. Ernestine
Sister M. Michaeline
Sister M. Nepomucena
Sister M. Veronica

Sisters of Saint Francis, Stella Niagara, Lewiston, N. Y.

Sister M. Alexia
Sister M. Blanche
Sister M. Carmelita
Sister M. Christiana
Sister M. Clarissa
Sister M. Clement
Sister M. Dionysia
Sister M. Electa
Sister M. Emma
Sister M. Fides
Sister M. Gonzaga
Sister M. Laeta
Sister M. Leocadia
Sister M. Leontine
Sister M. Liguori
Sister M. Lioba
Sister M. Magdalis
Sister M. Radegund
Sister M. Renata
Sister M. Rufina
Sister M. Serafia
Sister M. Virginia

Sisters of Saint Francis, Pine Street, Buffalo, N. Y.

Sister M. Agnes
Sister Anna Marie
Sister M. Ambrose
Sister M. Carmita
Sister M. Ceciliana
Sister M. Constantia
Sister M. Dorothea
Sister M. Florence
Sister M. Francesca
Sister M. Germaine
Sister M. Gertrudis
Sister M. Hyronima
Sister M. Irmina
Sister M. Isabel
Sister M. Jeanette
Sister M. Joanna
Sister M. Lucy
Sister M. Marcella
Sister Marie
Sister M. Seraphica

Sisters of Saint Francis, O'Connell Ave., Buffalo, N. Y.

Sister M. Carmel
Sister M. Teresita
Sister M. Theophila

Sisters of Saint Francis, Clark Street, Buffalo, N. Y.

Sister M. Henry
Sister M. Walburga

Sisters of the Holy Child Jesus, Sharon Hill, Pa.

Mother M. Saint Anthony
Mother M. Cornelia
Mother M. Denise
Sister M. Dunstan

Sisters of Saint Joseph, Buffalo, N. Y.

Sister M. Agnes Joseph
Sister M. Agnes Teresa
Sister M. Adrian
Sister M. Aide
Sister M. Albertine
Sister M. Albina
Sister M. Alecia
Sister M. Alice
Sister Alice Marie
Sister M. Alma Perpetua
Sister M. Anastasia
Sister M. Angela
Sister M. Anita
Sister M. Arsenia
Sister M. Assumpta
Sister M. Augusta
Sister M. Austin
Sister M. Barbara
Sister M. Basil
Sister M. Benedict
Sister M. Bernadette
Sister M. Bernardine
Sister M. Bernardo
Sister M. Bernice
Sister M. Bethilde
Sister M. Bibiana
Sister M. Borgia
Sister M. Borromeo
Sister M. Catherine
Sister M. Cecilia
Sister M. Cecilia Agnes
Sister M. Charles
Sister M. Charles Henry
Sister M. Christina
Sister M. Claudia
Sister M. Claver
Sister M. Clement
Sister M. Clementine
Sister M. Cletus
Sister M. Columbiere
Sister M. Concenta
Sister M. Concilii
Sister M. Consolata
Sister M. Constantia
Sister M. Cyprian
Sister M. Cyrilla
Sister M. De Chantal
Sister M. Dionesia
Sister M. Dolores
Sister M. Dolorosa
Sister M. Dorothy
Sister M. Dosethius
Sister M. Edmund
Sister M. Eileen
Sister M. Eleanor
Sister M. Emanuel
Sister M. Ethelburge
Sister M. Ethelreda
Sister M. Eucharia
Sister M. Eucharista
Sister M. Euphosyne
Sister M. Expedite
Sister M. Ferdinand
Sister M. Flora
Sister M. Florentine
Sister M. Frances
Sister M. Frances Paula
Sister M. Francis de Sales
Sister M. Gabriel
Sister M. Genevieve
Sister M. Gerald
Sister M. Germaine
Sister M. Gervase
Sister M. Grace
Sister M. Harold
Sister M. Helen Agnes
Sister M. Herman Joseph
Sister M. Hyacinthe
Sister M. Ignace
Sister M. Irma
Sister M. Isabella
Sister M. James Edward
Sister M. Jeanette
Sister M Joan
Sister M. Joan of Arc
Sister M. John Joseph
Sister Joseph Mary
Sister M. Joseph

Sister M. Josepha
Sister M. Laurentina
Sister M. Leo
Sister M. Leonardo
Sister M. Leucretia
Sister M. Lidwina
Sister M. Loretto
Sister M. Louis
Sister M. Louis Bertrand
Sister M. Loyola
Sister M. Lucia
Sister M. Lucille
Sister M. Macrina
Sister M. Madeline
Sister M. Marceline
Sister M. Margaret
Sister M. Margaret Joseph
Sister M. Marguerite
Sister Maria
Sister M. Martina
Sister M. Mercedes
Sister M. Miriam
Sister M. Mount Carmel
Sister M. Nativity
Sister M. Nolasco
Sister M. Oswald
Sister M. Othelia
Sister M. Pancratius
Sister M. Paul
Sister M. Paula
Sister M. Pelagia
Sister M. Philip
Sister M. Raphael
Sister M. Regina
Sister M. Regis
Sister M. Remegia
Sister M. Richard
Sister M. Rita
Sister M. Rita Claire
Sister M. Rose
Sister M. Rose Agnes
Sister M. Rose Gertrude
Sister Rose Mary
Sister M. Roberta
Sister M. Ruth
Sister M. Rufina
Sister M. Sabina
Sister M. Serena
Sister M. St. Anne
Sister M. St. Anthony
Sister M. St. David
Sister M. St. Denis
Sister M. St. Henry
Sister M. St. Leonard
Sister M. St. Luke
Sister M. Sylvester
Sister M. Sylvia
Sister M. Teresa
Sister M. Teresina
Sister M. Ursaline
Sister M. Ursula
Sister M. Vincent
Sister M. Vincent de Paul
Sister M. Vinette
Sister M. Wilfred
Sister M. Winifred

Sisters of Saint Joseph, Erie, Pa.

Sister M. Angelica
Sister Anna Marie
Sister M. Benedicta
Sister M. Bridget
Sister M. Clamenza
Sister M. Clara
Sister M. Constance
Sister M. Cornelia
Sister M. Corita
Sister M. Doloretta
Sister M. Julia Agnes
Sister M. Lawrence
Sister Marie Frances
Sister M. Rosaria

Sisters of Saint Joseph, Rochester, N. Y.

Sister M. Agnes Miriam
Sister M. Alexia
Sister M. Anna
Sister M. Anna de Sales
Sister M. Augusta
Sister M. Dominic
Sister M. Florita
Sister M. Frances Teresa
Sister M. Francis
Sister M. Lambert
Sister Marie Aimee
Sister M. Miriam
Sister M. Paulette
Sister M. Pauline
Sister M. Philippa
Sister Rose Marie
Sister M. Stanislaus
Sister M. Teresita
Sister M. Vida

Sisters of Saint Joseph, Troy, N. Y.

Sister M. Aloysius
Sister M. Celestia
Sister Ida Marie
Sister M. John Joseph
Sister M. Leonie
Sister M. Mechtilda

Sisters of Saint Mary Namur, Lockport, N. Y.

Sister M. Angela
Sister M. Baptist
Sister Berchmanns
Sister M. Berchmanns
Sister M. Bernice
Sister M. Bridget
Sister M. Carmella
Sister M. Caroline
Sister Catherine
Sister M. Catherine
Sister M Cecilia Francis
Sister M. Christiana
Sister M. Claudine
Sister M. Concepta
Sister M. Ethna
Sister M. Felicity
Sister M. Ferdinand
Sister M. Grace
Sister M. Immaculata
Sister M. John Francis
Sister Mary Joseph
Sister M. Julia
Sister M. Kevin
Sister Mary Laurence
Sister M. St. Louis
Sister M. Margaret
Sister Margaret Mary
Sister M. Martina
Sister M. Mildred
Sister M. Rose
Sister M. Rose de Lima
Sister M. Ruth
Sister M. Stanislaus
Sister M. Teresa
Sister M. Thomas
Sister M. Veracunda
Sister M. Wilfrid
Sister M. St. William
Sister M. Winifred

Sisters of Mercy, Rochester, N. Y.

Sister M. Antonia
Sister M. Camilla
Sister M. Charles
Sister M. Columba
Sister M. Felicitas
Sister M. Francesca
Sister M. Francis
Sister M. Loretto
Sister M. Michael
Sister M. Monica
Sister M. Rita
Sister M. Stella
Sister M. Theodosia

Sisters of Mercy, Mount Mercy, Buffalo, N. Y.

Sister M. Anina
Sister M. Bernard
Sister M. Bon Secours
Sister M. Carmella
Sister M. Cecelia
Sister M. Charles
Sister M. Coleta
Sister M. Consilii
Sister M. Cyril
Sister M. Dorothy
Sister M. Eulalia
Sister M. Francesca
Sister M. Geraldine
Sister M. Germaine
Sister M. Hilda
Sister M. Irene
Sister M. Isabel
Sister M. Josepha
Sister M. Leocratia
Sister M. Loyola
Sister M. Mechtilda
Sister M. Michael
Sister M. Monica
Sister M. Nolasco
Sister M. Pancratia
Sister M. Paschal
Sister M. Pauline
Sister M. Pierre
Sister M. Regis
Sister M. Ricardo
Sister M. Rosarii
Sister M. Scholastica
Sister M. Stella
Sister M. Teresa
Sister M. Thecla
Sister M. Theodosia
Sister M. Thomasine

Sisters of Mercy, Pittsburgh, Pa.

Sister M. Adele
Sister M. Scholastica

Sisters of Notre Dame, Buffalo, N. Y.

Sister M. Charitina
Sister M. Eymard
Sister M. Reparata
Sister M. Sacricordis

Sisters of Notre Dame, Rochester, N. Y.

Sister M. Cajetan
Sister M. Conrada
Sister M. Constantine
Sister M. Dolorita
Sister M. Georgianna
Sister M. Gerald
Sister M. Gregory
Sister M. Jerome
Sister M. Laurentine
Sister M. Lawrence
Sister M. Ludolpha
Sister M. Melchiora
Sister M. Succursa

From Nardin Academy

Miss Alice C. Dooley
Miss Florence H. Grupp
Miss Teresa Marie Hogan
Miss Janet C. Maloney

LAITY

Abel, Miss Loretta
Anderson, Miss Margaret
Anderson, Miss Mary
Argus, Miss Bertha
Baecher, Miss Martha
Bergholz, Miss Bercia
Beckery, Miss Katherine
Boehm, Mr. Alfred
Brennan, Miss Gertrude
Brick, Miss Veronica
Brosig, Mr. Charles
Burke, Miss Hanna
Burke, Miss Nellie
Burke, Mr. William F.
Bush, Miss Marcella
Byrens, Miss Gertrude
Campana, Humbert J.
Carlo, Mr. John
Cassidy, Miss Helen
Chambers, Miss Margaret
Chassin, Mr. Norman
Clark, Mr. Harry
Clarke, Mr. George
Conrad, Miss Mary
Coonly, Miss Margaret
Coonly, Miss Winifred
Corcoran, Miss Elizabeth
Costello, Mrs. Amanda
Courtade, Miss Lauren
Creahan, Miss Nora
Crehan, Miss Mary
Crofts, Miss Mary
Cuff, Miss Anne
Curran, Mr. Arthur
Curran, Miss Marie
Dean, Miss A. Grace
Dearing, Miss Mary
Dempsey, Miss Josephine
Desmond, Mr. Franklin
Dietrich, Miss Mary M.
Doane, Mr. Paul
Doran, Mr. Robert
Draine, Miss May
Driscoll, Miss Evelyn
Driscoll, Miss Florence
Duchesne, Miss Eleanor
Dunn, Miss Margaret
Farrell, Miss Bertha
Farrell, Miss Ellen
Flore, Miss Bertha
Flynn, Mr. Bernard
Gannon, Mr. George
Godfrey, Miss Harriet
Greenough, Miss Loretta
Gross, Mr. Carl
Halweis, Miss Ellen
Hanley, Miss Mary
Healy, Mr. Anthony L.
Healy, Mr. Joseph C.
Hendricks, Mr Frank
Hendricks, Mr. Paul
Henel, Miss Catherine
Houck, Miss Mildred
Howell, Miss Helen
Hurley, Miss Jean
Ippolito, Mr. Anthony
Kane, Miss Florence
Knepper, Miss Mildred
Kolbe, Mrs. M. F.
La Duca, Mr. John
Lane, Miss Louise
Larned, Miss Mary
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SOCIAL SCIENCE

Graduate Students	25	
Undergraduate Students:		
Arts Course	113	
Science Course	135	
Special Students	6	
Summer School	495	
College Courses for Teachers	253	1027
Duplications		11
Total		1016

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